

Name	Clone	Vendor	Cat#	Epitope	Specificity	Reacts with	Species	Type	Isotype	Purity	[C]	Tested Application	PMID Ref Numbers	Other Notes
Monoclonal Anti-Polyglutamines antibody produced in mouse	<a href="#">3B5H10</a>	Sigma	P1874	GST-human Huntingtin (N-terminal fragment of 171 amino acids containing 65Q). Monoclonal Anti-Polyglutamines (mouse IgG1 isotype) is derived from the hybridoma 3B5H10 produced by the fusion of mouse myeloma cells (P3X63Ag8.653) and splenocytes from BALB/c mice immunized with GSThuman Huntingtin (N-terminal fragment of 171 amino acids containing 65Q). <sup>1</sup> The isotype is determined using a double diffusion immunoassay using Mouse Monoclonal Antibody Isotyping Reagents, Catalog Number ISO-2.	The antibody recognizes homomeric polyglutamines independent of the species. Shows diffuse shadows of nuclear stain in wt but stronger diffuse stain in nucleus of BacHD at 12mo.		mouse	mono	IgG1	purified	2 mg/mL	WB: 1-2 µg/mL using extract of HEK-293T cells transfected with an N-terminal 171 amino acid fragment of human Huntingtin with a 68 glutamine stretch, works in IHC and ICC	15201452 15543156	This product is for <i>in vitro</i> use only. It is not to be used for commercial purposes. Use of this product to produce products for sale or for diagnostic, therapeutic or drug discovery purposes is prohibited. In order to obtain a license to use this product for commercial purposes, contact the Regents of the University of California. This product is sold under license to U.S. Patent No. 6,29,652, owned by the Regents of the University of California. Shows diffuse shadows of nuclear stain in wt but stronger diffuse stain in nucleus of BacHD at 12mo.
Mouse Anti-Polyglutamine-Expansion Diseases Marker, clone 5TF1-1C2	<a href="#">1C2</a>	Chemicon	MAB1574	N-terminal part of the human TATA Box Binding Protein (TBP which contains a 38-glns stretch (Lescure et al).	The epitope of MAB1574 was found to be a homopolymeric glutamine stretch. The original immunogen was the general transcription factor TATA Box-binding protein (TBP) which contains a 38-glns stretch (Lescure et al). Other polyglutamine-containing proteins are recognized by the MAB1574, notably those involved in several human neurodegenerative diseases caused by a CAG repeat expansion, like Huntington's disease and spinocerebellar ataxia type 2, 3 and 7 (Trottier et al Nature). Importantly, for proteins involved in these neurodegenerative disorders, MAB1574 showed remarkable property of detecting much better the pathological proteins that contain a polyglutamine expansion (37 glns) than the wild type proteins (Trottier et al). MAB1574 has been used to identify new neurodegenerative diseases caused by polyglutamine expansion and to help for cloning of the corresponding affected genes (Trottier 1995-1998; Imbert 1996; Stevanin 1996). MAB1574 is also able to detect intracellular inclusions, which is a hallmark of such diseases (Paulson, 1997).	Human	mouse	mono	IgG1K	Ascites	N/A	ELISA: 1:1,000-1:20,000; WB: 1:1,000-1:20,000; IHC-Fz + IHC-P (human tissue): 1:1,000-1:20,000 ICC on transfected cells: 1:1,000-1:20,000; IP 1:1,000-1:20,000	10814712 898202 10973246 14527432	
Rat Anti-Huntingtin Protein	<a href="#">mHD549</a>	Chemicon	MAB2174	Huntingtin fusion protein 549-679, fused to Glutathione S-transferase.	Huntingtin protein residues 549-679. Huntingtin localization by ICC is primarily neuronal. Glia contain very little huntingtin; huntingtin is abundant in perikarya and dendrites of cortical pyramidal cells and in Purkinje cells, and striatal interneurons. Clone mHD549 has been tested in human, rat, and monkey.	Rat, Monkey	rat	mono	IgG	Ascites	N/A	IHC on 3%/0.1% Glut/PFA fixed, fz tissue, using enzymatic detection. Suggested starting dilution 1:1,000. See Gutekunst et al, 1998. Does not work on FFPE. For EM, see Gutekunst, 1995 PNAS, 92:8710-8714. ICC: 3% PFA fixed cells, 5-10 minute RT; permeabilize with TX-100. WB: SDS/PAGE, PVDF membranes, 50 µg/lane total protein; 7.5% PAGE. Detects 340kDa IT15 open reading frame in lymphoblasts from human controls; Additional protein bands are detected in monkey (130-140kDa). WB (Gutekunst, et al, 1995). Normal (340kDa) and mutant (> 340kDa) bands can be detected in lymphoblast lysates from homozygote or heterozygote HD patients via SDS/4% PAGE. Abundant in rat testis (45-50kDa) (Gutekunst, 1995).	7568002 10087066 10932179 9742138	Huntingtin protein residues 549-679. Huntingtin localization by ICC is primarily neuronal. Glia contain very little huntingtin; huntingtin is abundant in perikarya and dendrites of cortical pyramidal cells and in Purkinje cells, and striatal interneurons. Clone mHD549 has been tested in human, rat, and monkey.
Anti-Huntingtin Protein	<a href="#">1HU-4C8</a>	Chemicon	MAB2166	Huntingtin fragment from aa 181 to 810 as a fusion protein. (8/12/08) Per Marian DiFiglia (personal communication w/ Doug) the epitope for 1HU-4C8 has been localized to residues around 450 (approx) she said that someone had published the epitope localization. [need reference]	Reacts with Huntingtin Protein. No detectable cross reactivity to other proteins by Western blot.	Mouse, Rat, Hamster, Rabbit, Monkey, Human	mouse	mono	IgG1, kappa	Ascites	N/A	ELISA: 1:500-1:5,000; WB: 1:500-1:5,000. Should detect a band migrating at approximately 350-400 kDa by WB (Nature Genetics 10:104-110.); IHC on frozen and microwave oven treated paraffin sections (human tissue): 1:500-1:5,000; ICC on transfected cells: 1:500-1:5,000; IP: 1:500-1:5,000	9660943 10888929 10350633 17500596	
Anti-Huntingtin Protein	<a href="#">HU-2E8</a>	Chemicon	MAB2168	Huntingtin fragment from aa 2146 to 2541 as a fusion protein	Huntingtin Protein	Monkey, Human, weak to no reactivity with mouse.	mouse	mono	IgG1	Ascites	N/A	ELISA: 1:500-1:5,000; WB: 1:500-1:5,000; IHC on frozen and microwave oven treated paraffin sections (human tissue): 1:500-1:5,000; ICC on transfected cells: 1:500-1:5,000	7647777 12618299	
Anti-Huntingtin Protein, a.a. 1247-1646, clone HU-4E6	<a href="#">HU-4E6</a>	Chemicon	MAB2170	Huntingtin fragment from aa 1247 to 1646 as a fusion protein	Huntingtin Protein. No detectable cross reactivity with other proteins by Western blot.	Mouse, Human	mouse	mono	IgG2b,k	Ascites	N/A	ELISA: 1:500-1:5,000; WB (recomb protein, not suitable for the natural Huntingtin) : 1:500-1:5,000; IHC on fz and microwave oven FFPE (human): 1:500-1:5,000 ICC on transfected cells: 1:500-1:5,000; IP: 1:500-1:5,000	7477379 7647777	

Name	Clone	Vendor	Cat#	Epitope	Specificity	Reacts with	Species	Type	Isotype	Purity	[C]	Tested Application	PMID Ref Numbers	Other Notes
Mouse Anti-Huntingtin Protein Monoclonal Antibody	<a href="#">mEM48</a>	Chemicon	MAB5374	GST fusion protein from the first 256 amino acids from human huntingtin with the deletion of the polyglutamine tract.	Reacts with human huntingtin protein (both native and recombinant protein). MAB5374 reacts with mutant huntingtin in patients and in transgenic animals that express different numbers of repeats (from 82 to 150 glutamines). Thus, it should recognize different forms of mutant huntingtin.	Human, mouse (weak) and rat (weak). Other species have not been tested.	mouse	mono	IgG	Culture supernatant	N/A	WB: 1:50-1:500 using ECL depending on the level of mutant protein. Suggested dilution buffer is PBS / 3% BSA or PBS / 5% non-fat milk. IHC 1:50-1:100 using ABC on 4% PFA fixed tissue. Suggested dilution buffer is PBS / 3% BSA.	11839795 10087066 15452853 17413322	This antibody does not work well with BAC mouse models, but is fine in other models.
Mouse Anti-Huntingtin Protein Monoclonal Antibody	<a href="#">Link to dossier</a>	Chemicon	MAB5490	Recombinant human huntingtin, amino acids 115-129.	Reacts huntingtin protein, amino acids 115-129. The antibody recognizes wild type and mutant huntingtin.	Human	mouse	mono	IgG1	Ascites	N/A	WB: 1:500-1:5,000; ICC (1): 1:500-1:5,000; IHC (1,2): 1:500-1:5,000; ELISA: 1:500-1:5,000	12952868 12191472	
Mouse Anti-Huntingtin Protein Monoclonal Antibody	<a href="#">Link to dossier</a>	Chemicon	MAB5492	Recombinant human huntingtin, amino acids 1-82.	Reacts huntingtin protein, amino acids 1-82. The antibody recognizes wild type and mutant huntingtin.		mouse	mono	IgG1	Ascites	N/A	WB: 1:500-1:5,000; ICC(1): 1:500-1:5,000; IHC (1,2): 1:500-1:5,000; ELISA: 1:500-1:5,000	12952868 12191472	
Huntingtin antibody [HDC8A4]	<a href="#">HDC8A4</a>	abcam	ab7666	Recombinant fragment, corresponding to amino acids 2703-2911 of Huntingtin.	This antibody reacts with an epitope corresponding to the HDC region (2703 - 2911 amino acids) of the huntingtin protein. This clone recognises both denatured and native huntingtin in human brain.	Mouse, Rabbit, Human; does not react with Rat	mouse	mono	IgG1	affinity purified	1 mg/mL	IHC-Fz, IP, WB, IHC -FFPE not tested	10350633	
Huntingtin antibody [HDC8A4]	<a href="#">HDC8A4</a>	Serotec	MCA2051	Recombinant fragment, corresponding to amino acids 2703-2911 of Huntingtin.	This antibody reacts with an epitope corresponding to the HDC region (2703 - 2911 amino acids) of the huntingtin protein. This clone recognises both denatured and native huntingtin in human brain.	Mouse, Rabbit, Human	mouse	mono	IgG2	affinity purified	1 mg/mL	IHC-Fz, IP, WB, IHC -FFPE not tested	10350633	
Huntingtin antibody [HDB4E10]	<a href="#">HDB4E10</a>	abcam	ab7667	Recombinant fragment, corresponding to amino acids 1844-2131 of Huntingtin.	This antibody reacts with an epitope corresponding to the HDB region (amino acids 1844 - 2131) of the huntingtin protein. This clone recognises both denatured and native huntingtin in human brain.	Mouse, Rabbit, Human; does not react with Rat	mouse	mono	IgG1	affinity purified	1 mg/mL	IHC-Fz, IP, WB	10350633	
Huntingtin antibody [HDB4E10]	<a href="#">HDB4E10</a>	Serotec	MCA2050	Recombinant fragment, corresponding to amino acids 1844-2131 of Huntingtin.	This antibody reacts with an epitope corresponding to the HDB region (amino acids 1844 - 2131) of the huntingtin protein. This clone recognises both denatured and native huntingtin in human brain.	Mouse, Rabbit, Human; does not react with Rat	mouse	mono	IgG1	affinity purified	1 mg/mL	IHC-Fz, IP, WB	10350633	
Huntingtin Antibody	<a href="#">HDB4E10</a>	Santa Cruz	sc-58535	1844-2131 (h)	Recommended for detection of huntingtin of m and h origin by WB, IP and IF	Mouse, Human	mouse	mono	IgG1	Purified	0.2 mg/mL	WB (starting dilution 1:200, dilution range 1:100-1:1000), IP [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and ICC-FI (starting dilution 1:50, dilution range 1:50-1:500).		
Huntingtin antibody [HDA3E10]	<a href="#">HDA3E10</a>	abcam	ab7668	Recombinant fragment, corresponding to amino acids 997-1276 of Huntingtin	This antibody reacts with an epitope corresponding to the HDA region (amino acids 1171 - 1177) of the huntingtin protein. [Note by MM: This must be typo on the website.] This clone recognises both denatured and native huntingtin in human brain.	Mouse, Rat, Human	mouse	mono	IgG1	affinity purified	1 mg/mL	IHC-Fz, IP, WB Detects a band of approximately 350 kDa and also detects smaller degradation products of huntingtin.	10350633	
Huntingtin Antibody	<a href="#">HDA3E10</a>	Serotec	MCA2049	Recombinant fragment, corresponding to amino acids 997-1276 of Huntingtin	MCA2049 reacts with an epitope corresponding to the HDA region (amino acids 1171 - 1177) of the huntingtin protein	Mouse, Rabbit, Human	mouse	mono	IgG2a	affinity purified	2 mg/mL		10350633	
Huntingtin Antibody	<a href="#">HDA3E10</a>	Santa Cruz	sc-58534	997-1276 (h)	recommended for detection of an epitope corresponding to the HDA region of the Huntingtin protein of mouse, rat and human origin by	Mouse, Rat, Human	mouse	mono	IgG1	purified	0.2 mg/mL	WB (starting dilution 1:200, dilution range 1:100-1:1000), IP [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and ICC-FI (starting dilution 1:50, dilution range 1:50-1:500).	10350633	
Huntingtin (phospho S421) antibody	<a href="#">Link to dossier</a>	abcam	ab2174	Synthetic peptide: RSRSGpSIVE, corresponding to amino acids 416-424 of Human Huntingtin	Detects a 190kDa band in PC-3 cells, which may correspond to Huntingtin. Stains neuronal cytoplasm in IHC (the expected localisation). The antibody has not been conclusively tested for specificity for phospho S421 Huntingtin	Pig, Human (predicted)	rabbit	Poly	IgG	affinity purified	0.8 mg/ml	This product has been assayed by ELISA against 0.1µg of the immunizing peptide. Not yet tested in other applications		

Name	Clone	Vendor	Cat#	Epitope	Specificity	Reacts with	Species	Type	Isotype	Purity	[C]	Tested Application	PMID Ref Numbers	Other Notes
Huntingtin antibody	<a href="#">Link to dossier</a>	abcam	ab43553	Vector coding for a partial recombinant fusion protein, corresponding to internal sequence amino acids 325-425 of Fruit fly (Drosophila melanogaster) Huntingtin. Target sequence used to make antibody: SDGQCSQLG QSLRQLLNCQ QLQHNEYLRK RKSLSKNIQIFQ LKNYEVATSQ HQLEDEDENE DVDELVVGAT AMQMKKNSNA KLQQAQCREQ QQHQHQQQLE.	This antibody has been tested in Western blot against an E.coli lysate containing the partial recombinant fusion protein used as an immunogen. We have no data on detection of endogenous protein. Not yet tested in other applications.	Drosophila melanogaster	mouse	poly	IgG	whole serum	not determined	WB: 1/1000. Predicted molecular weight: 395 kDa		This antibody was raised by a genetic immunization technique. Genetic immunization can be used to generate antibodies by directly delivering antigen-encoding DNA into the animal, rather than injecting a protein or peptide (Tang et al. PubMed: 1545867; Chambers and Johnston PubMed 12910245; Barry and Johnston PubMed: 9234514). The animal's cells produce the protein, which stimulates the animal's immune system to produce antibodies against that particular protein.
Huntingtin antibody	<a href="#">Link to dossier</a>	abcam	ab43554	Vector coding for a partial recombinant fusion protein, corresponding to internal sequence amino acids 1156-1175 of Fruit fly (Drosophila melanogaster) Huntingtin. Target sequence: DNALSSQRQQRRPNDAGTC.	This antibody has been tested in Western blot against an E.coli lysate containing the partial recombinant fusion protein used as an immunogen. We have no data on detection of endogenous protein. Not yet tested in other applications.	Drosophila melanogaster	mouse	poly	IgG	whole serum	not determined	WB: 1/1000. Predicted molecular weight: 395 kDa.		This antibody was raised by a genetic immunization technique. Genetic immunization can be used to generate antibodies by directly delivering antigen-encoding DNA into the animal, rather than injecting a protein or peptide (Tang et al. PubMed: 1545867; Chambers and Johnston PubMed 12910245; Barry and Johnston PubMed: 9234514). The animal's cells produce the protein, which stimulates the animal's immune system to produce antibodies against that particular protein.
Mouse monoclonal [1A771] to Huntingtin	<a href="#">1A771</a>	abcam	ab13583	The antibody was raised against a fusion protein containing 62 glutamine amino acid repeats.		Mouse, Human	mouse	mono	IgG1	Protein G purified	0.5 mg/mL	WB: Use at a concentration of 1 µg/ml. Predicted molecular weight: 377 kDa. Not yet tested in other applications.		
Anti-Huntingtin Monoclonal Antibody <i>not available at this time</i>	1A771	GENWAY BIOTECH INC.	20-272-190899	The antibody was raised against a fusion protein containing 62 glutamine			mouse	mono	IgG1	Protein G purified	1 mg/mL	WB: Use at a concentration of 1 ?g/ml. Predicted molecular weight 377 kDa.		
Anti-Huntingtin Monoclonal Antibody	<a href="#">1A771</a>	Santa Cruz	sc-52928			Human	mouse	mono	IgG1	purified	0.1 mg/mL	WB		
Huntingtin antibody [2401C1a]	<a href="#">2401C1a</a>	abcam	ab67092	Recombinant fragment (Human) from an internal region of Huntingtin.		Human	mouse	mono	IgG2b	Protein G purified	0.1 mg/mL	Dot Blot, WB Detects a band of approximately 34 kDa.		
Huntingtin antibody [EP867Y]	<a href="#">EP867Y</a>	abcam	ab45169	Synthetic peptide corresponding to residues specific to the apopain cleavage site of human Huntingtin.		Mouse, Rat, Human	rabbit	mono	IgG	Tissue culture supernatant	not determined	FACS (1:30), WB (1/10,000) predicted molecular weight: 348 kDa, ICC-FI (1/50 - 1/100), IHC-P (1/250 - 1/500); is unsuitable for IP		
Anti-Huntingtin Protein	<a href="#">EP867Y</a>	Epitomics	1756-1	A synthetic peptide corresponding to residues specific to the apopain cleavage site of human huntingtin protein was used as an immunogen		Mouse, Rat, Human	rabbit	poly	IgG			WB, IHC, ICC, FACS		
HD monoclonal antibody (M10), clone 3D6	<a href="#">3D6</a>	Abnova	H00003064-M10	HD (NP_002102, 81 a.a. ~ 191 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. Immunogen Sequence (without GST): AVAAEPLHRPKKELSATKKDRVNHCLTICEN IVAQSVRNSPFQKLLGIAMELFLCSDDAE SDVRMVADECLNKVIKALMDSNLPRLQLEL YKEIKKNGAPRSLRAALW*		Mouse, Rat	mouse	mono	IgG2a Kappa	Protein A purified		ELISA, WB (Recombinant protein)		
HD monoclonal antibody, clone 3F1	<a href="#">3F1</a>	Abnova	H00003064-M11	HD (NP_002102, 81 a.a. ~ 191 a.a) partial recombinant protein AVAAEPLHRPKKELSATKKDRVNHCLTICEN IVAQSVRNSPFQKLLGIAMELFLCSDDAE SDVRMVADECLNKVIKALMDSNLPRLQLEL YKEIKKNGAPRSLRAALW*		Mouse, Human	mouse	mono	IgG2a					
Mouse Anti-Human HD Monoclonal Antibody, Clone 1A12	<a href="#">1A12</a>	Abnova	H00003064-M13	HD (NP_002102, 1524 a.a. ~ 1627 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. CDGIMASGRKAVTHAIPALQPIVHDLFVLRG TNKADAGKELETQKEVVSMLLRLIQYHQV LEMFILVQQCHKENEDKWKRLSRQIADIIIL PMLAKQQMHIDS		Human	mouse	mono	IgG2a Kappa			WB, ELISA		
Anti-Human HD Monoclonal Antibody	<a href="#">1H6</a>	Abnova ( or GenTex, Inc)	H00003064-IM05 (GTX94647)	HD (NP_002102, 81 a.a. ~ 191 a.a) partial recombinant protein		Human	mouse	mono	IgG2a	Protein A purified		WB, ELISA		
Anti-Huntingtin Monoclonal Antibody	<a href="#">A00089_01</a>	GENWAY BIOTECH INC.	20-271-80077		Recognizes huntingtin from human and mouse.		mouse	mono	IgG1	Unknown	N/A			This information needs to be confirmed likely incorrect input of data: This antiserum against Human MIP-1alpha has been tested for use in ELISA of human MIP-1alpha
Huntingtin Antibody	<a href="#">3E10</a>	Santa Cruz	sc-47757	Huntingtin (3E10) is a mouse monoclonal antibody raised against amino acids 997-1276 of human recombinant Huntingtin.		Mouse, Rat, Human	mouse	mono	IgG2a	Purified	0.2mg/mL	WB, IP, ICC-FI		

Name	Clone	Vendor	Cat#	Epitope	Specificity	Reacts with	Species	Type	Isotype	Purity	[C]	Tested Application	PMID Ref Numbers	Other Notes
Huntingtin Antibody	<a href="#">3H2240</a>	Santa Cruz	sc-71288	1844-2131 (h)	Recommended for detection of huntingtin of mouse and human origin by WB, IP and IF.	Mouse, Human	mouse	mono	IgG1	Purified	0.2 mg/mL	WB, IP, ICC-FI		
Anti-Human Huntingtin	<a href="#">3H2240</a>	Lifespan	LS-C24585	Recombinant protein corresponding to amino acids 1844 - 2131 of huntingtin.	Reacts with an epitope corresponding to the HDB region (amino acids 1844-2131) of the huntingtin protein.	Mouse, Rabbit, Human	mouse	mono	IgG1	Purified	0.1 mg/mL	IHC, WB, IP, IHC-Fr		
Huntingtin Antibody	<a href="#">3H2241</a>	Santa Cruz	sc-71289	raised against amino acids 2703-2911 of Huntingtin of human origin	Recommended for detection of an epitope corresponding to the HDC region of the huntingtin protein of m, r and h origin by WB, IP and IF.	Mouse, Rat, Human	mouse	mono	IgG1	Purified	0.2 mg/mL	WB, IP, ICC-FI		
Anti-Human Huntingtin	<a href="#">3H2241</a>	Lifespan	LS-C24586	Recombinant protein corresponding to amino acids 2703 - 2911 of huntingtin	Reacts with an epitope corresponding to the HDC region (2703-2911 amino acids) of the huntingtin protein.	Human	mouse	mono	IgG1	Protein G	0.1 mg/mL	IHC, WB, IP, IHC-Fz		
Huntingtin Antibody	<a href="#">3H2242</a>	Santa Cruz	sc-71287	raised against amino acids 997-1276 of Huntingtin of human origin	Recommended for detection of Huntingtin of mouse, rat and human origin.	Mouse, Rat, Human	mouse	mono	IgG2a	Purified	0.2 mg/mL	WB, IP, ICC-FI		
Anti-Human Huntingtin	<a href="#">3H2242</a>	Lifespan	LS-C24587	Recombinant protein corresponding to amino acids 997 -1276 of huntingtin	Reacts with an epitope corresponding to the HDA region (amino acids 1171-1177) of the huntingtin protein.	Human	mouse	mono	IgG2a	Purified	0.1 mg/mL	IHC, WB, IP, IHC-Fz		
Huntingtin Antibody	<a href="#">4E10</a>	Santa Cruz	sc-47758	raised against amino acids 1844-2131 of human recombinant Huntingtin.	Recommended for detection of Huntingtin of mouse, rat and human origin.	Mouse, Rat, Human	mouse	mono	IgG1	Purified	0.2 mg/mL	WB, IP, ICC-FI		
Huntingtin Antibody	<a href="#">8A4</a>	Santa Cruz	sc-47759	2703-2911 (h)		Mouse, Rat, Human	mouse	mono	IgG1	Purified	0.2 mg/mL	WB, IP, ICC-FI		
Huntingtin Antibody	<a href="#">C-20</a>	Santa Cruz	sc-8768	affinity purified/dye free polyclonal antibody raised against a peptide mapping near the C-terminus of Huntingtin of human		Mouse, Rat, Human	goat	poly	IgG	Purified	0.2 mg/mL	WB (starting dilution 1:200, dilution range 1:100-1:1000), ELISA; and ICC-FI (starting dilution 1:50, dilution range 1:50-1:500).		
Huntingtin Antibody	<a href="#">H-300</a>	Santa Cruz	sc-15352	raised against amino acids 2845-3144 mapping near the C-terminus of Huntingtin of human origin.		Mouse, Rat, Human	rabbit	poly	IgG	Purified	0.2 mg/mL	WB (starting dilution 1:200, dilution range 1:100-1:1000), IP [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], ICC-FI (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000)		
Huntingtin Antibody	<a href="#">N-18</a>	Santa Cruz	sc-8767	N-terminus (h)	Recommended for detection of Huntingtin of mouse, rat and human origin.	Mouse, Rat	goat	poly	IgG	Purified	0.2 mg/mL	WB (starting dilution 1:200, dilution range 1:100-1:1000), IP [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and ICC-FI (starting dilution 1:50, dilution range 1:50-1:500).		
Anti-huntingtin Hybridoma	<a href="#">MW1</a>	Develop Studies Hybridoma Bank	MW1	DRPLA-19Q	Binds only mutant Htt on blots.	Mouse, Human	mouse	mono	IgG2b				11719267 11792860	
Anti-huntingtin Hybridoma	<a href="#">MW2</a>	Develop Studies Hybridoma Bank	MW2	DRPLA-35Q			mouse	mono	IgM				11719267 11792860	
Anti-huntingtin Hybridoma	<a href="#">MW3</a>	Develop Studies Hybridoma Bank	MW3	HD exon-1 with 67Q, HDx-67Q (soluble)			mouse	mono	IgM				11719267 11792860	
Anti-huntingtin Hybridoma	<a href="#">MW4</a>	Develop Studies Hybridoma Bank	MW4	HD exon-1 with 67Q, HDx-67Q (soluble)			mouse	mono	IgM				11719267 11792860	
Anti-huntingtin Hybridoma	<a href="#">MW5</a>	Develop Studies Hybridoma Bank	MW5	DRPLA-35Q			mouse	mono	IgM				11719267 11792860	
Anti-huntingtin Hybridoma	<a href="#">MW6</a>	Develop Studies Hybridoma Bank	MW6	HD exon-1 with 67Q			mouse	mono	IgM				11719267 11792860	
Anti-huntingtin Hybridoma	<a href="#">MW7</a>	Develop Studies Hybridoma Bank	MW7	HD exon-1 with 67Q, HDx-67Q (soluble 1st and boost with aggregate)	Recognizes polyP domains of Htt.		mouse	mono	IgM			Histochemistry, WB	11719267 11792860	Stains htt in the perinuclear region as well in the nuclear inclusions formed by mutant htt; can differentiate transgenic from WT mice by staining nuclear inclusions in R6/2 brain (from Alz Forum).
Anti-huntingtin Hybridoma	<a href="#">MW8</a>	Develop Studies Hybridoma Bank	MW8	HD exon-1 with 67Q, HDx-67Q (soluble 1st and boost with aggregate)	Binds to C-term of Exon1: AEEP LHRPK. Preferentially binds Htt in tissue sections when Htt is in aggregates rather than when it is in the cytoplasm.		mouse	mono	IgG2a				11719267 11792860	Can differentiate transgenic from WT mice by staining nuclear inclusions in R6/2 brain (from Alz forum).

Name	Clone	Vendor	Cat#	Epitope	Specificity	Reacts with	Species	Type	Isotype	Purity	[C]	Tested Application	PMID Ref Numbers	Other Notes
Anti-Human Huntingtin	<a href="#">2Q73</a>	Lifespan	LS-C24588	Huntingtin fragment from aa1247-1646 as a fusion protein	Not suitable for the natural Huntingtin.	Mouse, Human	mouse	mono	IgG2b	Ascites		IHC-Fz, IHC-P, ICC, WB, ELISA, IP		
Anti-Human Huntingtin	<a href="#">2Q74</a>	Lifespan	LS-C24589	Huntingtin fragment from aa2146-2541 as a fusion protein		Human, Monkey	mouse	mono	IgG1	Ascites		WB (1 µg/mL)		
Anti-Human Huntingtin	<a href="#">4H105</a>	Lifespan	LS-C24590	Fusion protein containing 62 glutamine amino acid repeat		Human	mouse	mono	IgG1	Protein G purified		WB (1 µg/mL)		
Anti-Human Huntingtin	<a href="#">2Q75</a>	Lifespan	LS-C24591	Huntingtin fragment from aa181-810 as a fusion protein		Human	mouse	mono	IgG1	Affinity purified		IHC-Fz, IHC-P, ICC, WB, ELISA, IP,		
Anti-Human Huntingtin	<a href="#">Link to dossier</a>	Lifespan	LS-C24592	A synthetic peptide corresponding to aa 416-424 of the human huntingtin gene protein (mutations cause Huntington's disease poly-GLU expansions causing plaques). AA sequence: RSRSG-pS-IVE		Human	rabbit	poly		Affinity purified		ELISA (1:10000 - 1:136000 )		
Rat Anti-Human Huntingtin	<a href="#">2Q76</a>	Lifespan	LS-C24593	Huntingtin fusion protein aa549-679, fused to Glutathione S-transferase	IHC 1:1000. 4% PFA fixed tissue. Does not work on paraffin embedded tissues. Immunocytochemistry Immunoblotting Recognizes human Huntingtin Protein, residues 549-679. Species Reactivity: Mammalian.	Human, Mammal	rat	mono	IgG	Ascites		WB, IHC, ICC		
Anti-Human Huntingtin	not available at this time	Lifespan	LS-C44207	Recombinant protein corresponding to amino acids 997 -1276 of huntingtin	Reacts with an epitope corresponding to the HDA region (amino acids 1171 - 1177) of the huntingtin protein.	Mouse, Rabbit, Human	mouse	mono	IgG2a			FACS, IP, WB, IHC		
Anti-Human Huntingtin	not available at this time	Lifespan	LS-C44208	Recombinant protein corresponding to amino acids 1844 - 2131 of huntingtin		Mouse, Rabbit, Human	mouse	mono	IgG1			FACS, IP, WB, IHC		
Anti-Human Huntingtin	not available at this time	Lifespan	LS-C44209	Recombinant protein corresponding to amino acids 2703 - 2911 of huntingtin	Clone recognises both denatured and native huntingtin in human brain.	Mouse, Rabbit, Human	mouse	mono	IgG1			FACS, IP, WB, IHC		