OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SM1662

Huntingtin (HTT) Mouse Monoclonal Antibody [Clone ID: HDC8A4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HDC8A4
Applications:	IHC, IP, WB
Recommended Dilution:	Immunohistochemistry on frozen sections. Immunoprecipitation. Western blot.
Reactivity:	Human, Mouse, Rabbit
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant protein corresponding to amino acids 2703 - 2911 of huntingtin
Specificity:	This antibody reacts with an epitope corresponding to the HDC region (2703 - 2911 amino acids) of the huntingtin protein. Clone HDC8A4 detects a 350KD band on western blots but also detects smaller degradation products of huntingtin. Clone HDC8A4 recognises both denatured and native huntingtin in human brain. The combined use of clone HDC8A4 (SM1662), HDB4E10 (SM1661) and HDA3E10 (SM1660) demonstrate that huntingtin is enriched in neuronal cells in the brain.
Formulation:	PBS containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	huntingtin

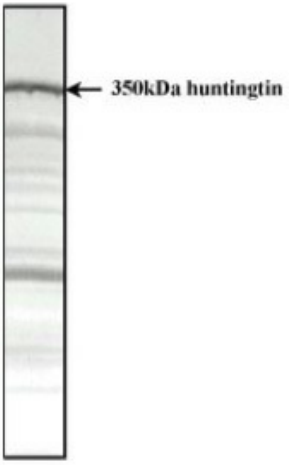
View online »

Database Link: Entrez Gene 3064 Human
P42858

Background: Huntington's disease (HD) is a neurodegenerative disorder caused by an expanding polyglutamine repeat in the huntingtin gene. HD is a mid-life onset autosomal dominant neurodegeneative disease that is characterized by psychiatric disorders, dementia, and involuntary movements (chorea), leading to death in 10-20 years. The HD gene product is widely expressed in human tissues, with the highest level of expression in the brain. The huntingtin gene product is expressed at similar levels in patients and controls, which suggests that the expansion of the polyglutamine repeat induces a toxic gain of function perhaps through interactions with other cellular proteins. Using yeast two-hybrid system, HAP1 (huntingtin associated protein 1) has been identified, that associates with huntingtin protein. The In vitro data suggest that the association between HAP1 and huntingtin is enhanced by increasing length of glutamine repeat.

Synonyms: Huntington Disease Protein, HD, IT15, HTT

Product images:



Total protein extract of normal human cerebral cortex separated as a strip on a 3- 12.5% gradient SDS-PAGE gel and Western blotted. The blot was probed with.