

Datasheet for ABIN3031257
anti-Huntingtin antibody (C-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	Huntingtin (HTT)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Huntingtin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	An amino acid sequence from the C-terminus of human HTT (ELDRRAFQSVLEVVA) was used as the immunogen for this Huntingtin antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Huntingtin (HTT)
Alternative Name:	Huntingtin (HTT Products)
Background:	The Huntingtin gene, also called HTT or HD (Huntington disease), is the IT15 (interesting transcript 15) gene which codes for a protein called the Huntingtin. The protein has no sequence homology with other proteins and is highly expressed in neurons and tests in

Target Details

humans and rodents. HTT upregulates the expression of Brain Derived Neurotrophic Factor (BDNF) at the transcription level, and this gene is required for normal development. HTT is involved in vesicle trafficking as it interacts with HIP1, a clathrin-binding protein, to mediate endocytosis, the absorption of materials into a cell. HTT was also visualized as punctate staining likely to represent nerve endings. Additionally, wildtype Huntingtin may function in the nucleus in the assembly of nuclear matrix-bound protein complexes involved with transcriptional repression and RNA processing.

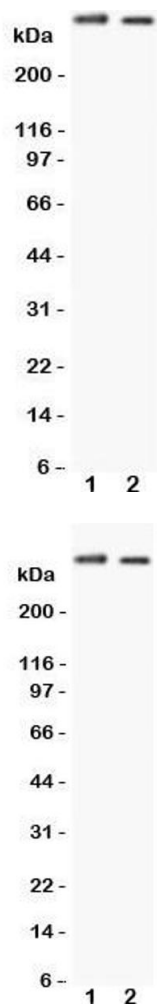
UniProt:	P42858
Pathways:	PI3K-Akt Signaling , Hormone Transport , Transition Metal Ion Homeostasis , Tube Formation , Protein targeting to Nucleus , Dicarboxylic Acid Transport

Application Details

Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the Huntingtin antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL
Restrictions:	For Research Use only

Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the Huntingtin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



Western Blotting

Image 1. Western blot testing of Huntingtin antibody and Lane 1: HeLa; 2: U87 lysate. Predicted/observed size ~350KD

Western Blotting

Image 2. Western blot testing of Huntingtin antibody and Lane 1: HeLa