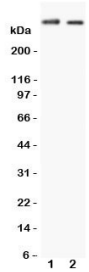
Huntingtin Antibody / HTT (R31392)

Catalog No.	Formulation	Size
R31392	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P42858
Applications	Western blot: 0.5-1ug/ml
Limitations	This Huntingtin antibody is available for research use only.



Western blot testing of Huntingtin antibody and Lane 1: human HeLa cell lysate and 2: human U-87 MG cell lysate. Predicted molecular weight: ~350 kDa.

Description

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 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.

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.

Immunogen

An amino acid sequence from the C-terminus of human HTT (ELDRRAFQSVLEVVAA) was used as the immunogen for this Huntingtin antibody.

Storage

After reconstitution, the Huntingtin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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