

**Anti-Huntingtin Antibody**  
**Catalog # ABO11577****Specification**

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**Anti-Huntingtin Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P42858</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Huntingtin(HTT) detection. Tested with WB in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-Huntingtin Antibody - Additional Information**

**Gene ID** 3064

**Other Names**

Huntingtin, Huntington disease protein, HD protein, HTT, HD, IT15

**Calculated MW**

wildtype HTT may function in the nucleus in the assembly of nuclear matrix-bound protein complexes involved with transcriptional repression and RNA processing." KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat<br>

**Subcellular Localization**

HTT

**Tissue Specificity**

Huntingtin;Huntington disease protein;HD protein;HTT;HD, IT15;

**Source**

Huntingtin

**Protein Name**

347603 MW

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human

Huntingtin(3106-3121aa ELDRRAFQSVLEVVA), different from the related mouse and rat sequences by two amino acids.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Sequence Similarities**

Cytoplasm. Nucleus. The mutant Huntingtin protein colocalizes with AKAP8L in the nuclear matrix of Huntington disease neurons. Shuttles between cytoplasm and nucleus in a Ran GTPase-independent manner.

**Anti-Huntingtin Antibody - Protein Information**

**Name** HTT

**Synonyms** HD, IT15

**Function**

[Huntingtin]: May play a role in microtubule-mediated transport or vesicle function.

**Cellular Location**

[Huntingtin]: Cytoplasm. Nucleus. Early endosome. Note=The mutant Huntingtin protein colocalizes with AKAP8L in the nuclear matrix of Huntington disease neurons. Shuttles between cytoplasm and nucleus in a Ran GTPase- independent manner (PubMed:15654337). Recruits onto early endosomes in a Rab5- and HAP40-dependent fashion (PubMed:16476778)

**Tissue Location**

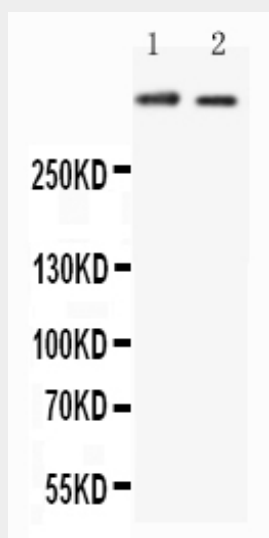
Expressed in the brain cortex (at protein level). Widely expressed with the highest level of expression in the brain (nerve fibers, varicosities, and nerve endings). In the brain, the regions where it can be mainly found are the cerebellar cortex, the neocortex, the striatum, and the hippocampal formation

**Anti-Huntingtin Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Huntingtin Antibody - Images**



Anti-Huntingtin antibody, ABO11577, All Western blottingAll lanes: Anti-HTT(ABO11577) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: U87 Whole Cell Lysate at 40ugPredicted bind size: 348KDObserved bind size: 348KD

#### **Anti-Huntingtin Antibody - Background**

The huntingtin gene, also called HTT or HD(Huntington disease) gene, is the IT15(interesting transcript 15") gene which codes for a protein called the huntingtin protein. It is mapped to 4p16.3. 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