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Anti-Huntington pS434 (RABBIT) Antibody

Huntington phospho S434 Antibody
Catalog # ASR5728

Specification

Anti-Huntington pS434 (RABBIT) Antibody - Product Information

Host	**Rabbit**
Conjugate	**Unconjugated**
Target Species	**Human**
Reactivity	**Rat, Human, Mouse**
Clonality	**Polyclonal**
Application	**WB, IHC, E, I, LCI**
Application Note	**Anti-HTT antibody is useful for ELISA, Immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~350kDa corresponding to the appropriate cell lysate or extract.**
Physical State	**Liquid (sterile filtered)**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Anti-Huntingtin pS434 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the internal region of human Huntington disease protein.**
Stabilizer	**50% (v/v) Glycerol with 1 mg/ml Bovine Serum Albumin (BSA)**

Anti-Huntington pS434 (RABBIT) Antibody - Additional Information

Gene ID 3064

Other Names
3064

Purity
Anti-Huntingtin pS434 was affinity purified from monospecific antiserum by immunoaffinity chromatography and is directed against the phosphorylated form of the S434 residue. A BLAST analysis was used to suggest cross-reactivity with human and mouse based on 100% sequence homology. Cross-reactivity with Huntington pS434 from other sources has not been determined.

Storage Condition
Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

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This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-Huntington pS434 (RABBIT) 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-Huntington pS434 (RABBIT) 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 Cytomety
- Cell Culture

Anti-Huntington pS434 (RABBIT) Antibody - Images

Anti-Huntington pS434 (RABBIT) Antibody - Background

Huntington's disease (HD) is an autosomal dominant neurological disorder caused by a polyglutamine (polyQ) repeat expansion in the huntingtin (Htt) protein. The disease is characterized by neurodegeneration and formation of neuronal intracellular inclusions primarily in the striatum and cortex, leading to personality changes, motor impairment, and dementia. The Huntington’s disease protein is ~350kD in size and is localized in the brain. Anti-Huntington antibody is ideal for investigators interested in Neuroscience research.