

Datasheet for 600-401-J79**Huntington phospho S421 Antibody****Overview**

Description:	Anti-Huntington pS421 (RABBIT) Antibody - 600-401-J79
Item No.:	600-401-J79
Size:	50 µg
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

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.
Synonyms:	rabbit anti-Huntington pS421 antibody, rabbit anti-Huntingtin pS421 antibody, HD protein, HTT, Huntington Disease Protein, Huntington disease, IT15, LOMARS
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	HTT
Reactivity:	Human, Mouse, Rat
PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Huntington pS421 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic phospho-peptide corresponding to the internal region of human Huntington disease protein.

Purity/Specificity: Anti-Huntingtin pS421 was affinity purified from monospecific antiserum by immunoaffinity chromatography and is directed against the phosphorylated form of the S421 residue. A BLAST analysis was used to suggest cross-reactivity with human based on 100% sequence homology. Cross-reactivity with Huntingtin pS421 from other sources has not been determined.

Relevant Links:

- [NCBI - NP_002102.4](#)
- [GeneID - 3064](#)
- [UniProtKB - P42858](#)

Application Details

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.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1: 10,000

IHC: User Optimized

WB: 1ug/ml

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: None

Stabilizer: 50% (v/v) Glycerol

Shipping & Handling

Shipping Condition: Dry Ice

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.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

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