Datasheet for 600-401-J82

Huntington phospho S434 Antibody

Overview

Description:	Anti-Huntington pS434 (RABBIT) Antibody - 600-401-J82
Item No.:	600-401-J82
Size:	100 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 pS434 antibody, rabbit anti-Huntingtin pS434 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-Huntingtin pS434 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 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.
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:	1.07 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 with 1 mg/ml Bovine Serum Albumin (BSA)

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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