

Datasheet for ABIN5596736
anti-Huntingtin antibody (pSer421)



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Overview

Quantity:	50 µg
Target:	Huntingtin (HTT)
Binding Specificity:	pSer421
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), ELISA, Western Blotting (WB)

Product Details

Purpose:	Huntington phospho S421 Antibody
Immunogen:	Immunogen: Anti-Huntington pS421 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. Immunogen Type: Conjugated Peptide
Isotype:	IgG
Cross-Reactivity (Details):	A BLAST analysis was used to suggest cross-reactivity with human based on 100 % sequence homology.
Characteristics:	Synonyms: rabbit anti-Huntington pS421 antibody, rabbit anti-Huntingtin pS421 antibody, HD protein, HTT, Huntington Disease Protein, Huntington disease, IT15, LOMARS
Purification:	Anti-Huntingtin pS421 was affinity purified from monospecific antiserum by immunoaffinity chromatography and is directed against the phosphorylated form of the S421 residue.

Product Details

Sterility: Sterile filtered

Target Details

Target:	Huntingtin (HTT)
Alternative Name:	HTT (HTT Products)
Background:	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.
Gene ID:	3064
NCBI Accession:	NP_002102
UniProt:	P42858
Pathways:	PI3K-Akt Signaling , Hormone Transport , Transition Metal Ion Homeostasis , Tube Formation , Protein targeting to Nucleus , Dicarboxylic Acid Transport

Application Details

Application Notes:	Immunohistochemistry Dilution: User Optimized 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 ~350 kDa corresponding to the appropriate cell lysate or extract. Western Blot Dilution: 1 µg/mL ELISA Dilution: 1: 10,000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.07 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 50 % (v/v) Glycerol

Handling

	Preservative: None
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	12 months