

Datasheet for ABIN5596734
anti-Huntingtin antibody (pSer1181)



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Overview

Quantity:	50 µg
Target:	Huntingtin (HTT)
Binding Specificity:	pSer1181
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), ELISA, Western Blotting (WB)

Product Details

Purpose:	Huntington phospho S1181 Antibody
Immunogen:	Immunogen: Anti-Huntingtin pS1181 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, mouse, and rat based on 100 % sequence homology.
Characteristics:	Synonyms: rabbit anti-Huntington pS1181 antibody, rabbit anti-Huntingtin pS1181 antibody, HD protein, HTT, Huntington Disease Protein, Huntington disease, IT15, LOMARS
Purification:	Anti-Huntingtin pS1181 was affinity purified from monospecific antiserum by immunoaffinity chromatography and is directed against the phosphorylated form of the S1181 residue.

Product Details

Sterility: Sterile filtered

Target Details

Target: Huntingtin (HTT)

Alternative Name: HTT ([HTT Products](#))

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: 1.04 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: 50 % (v/v) Glycerol with 1 mg/mL Bovine Serum Albumin (BSA)

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