

Huntingtin (phospho Ser421) Polyclonal Antibody

Catalog No: #13813

Package Size: #13813-1 50ul #13813-2 100ul

Description

Product Name	Huntingtin (phospho Ser421) Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	IHC;IF;ELISA
Species Reactivity	Human,Mouse,Rat
Specificity	Phospho-Huntingtin (S421) Polyclonal Antibody detects endogenous levels of Huntingtin protein only when phosphorylated at S421.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human Huntingtin around the phosphorylation site of Ser421. AA range:387-436
Conjugates	Unconjugated
Other Names	HTT; HD; IT15; Huntingtin; Huntington disease protein; HD protein
Accession No.	Swiss Prot:P42858GeneID:3064
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

IHC 1:100-1:300; ELISA 1:5000; IF 1:50-200

Background

huntingtin(HTT) Homo sapiens Huntingtin is a disease gene linked to Huntington's disease, a neurodegenerative disorder characterized by loss of striatal neurons. This is thought to be caused by an expanded, unstable trinucleotide repeat in the huntingtin gene, which translates as a polyglutamine repeat in the protein product. A fairly broad range of trinucleotide repeats (9-35) has been identified in normal controls, and repeat numbers in excess of 40 have been described as pathological. The huntingtin locus is large, spanning 180 kb and consisting of 67 exons. The huntingtin gene is widely expressed and is required for normal development. It is expressed as 2 alternatively polyadenylated forms displaying different relative abundance in various fetal and adult tissues. The larger transcript is approximately 13.7 kb and is expressed predominantly in adult and fetal brain whereas the smaller transcript of approximately 10.3 kb is more widely

Note: This product is for in vitro research use only and is not intended for use in humans or animals.