

## Huntingtin rabbit pAb

## Cat No.:ES5728

For research use only

## **Overview**

Product Name	Huntingtin rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
<b>Recommended dilutions</b>	Immunohistochemistry: 1/100 - 1/300. ELISA:
	1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized
	peptide derived from human Huntingtin. AA
	range:387-436
Specificity	Huntingtin Polyclonal Antibody detects endogenous
	levels of Huntingtin protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and
	0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Huntingtin
Gene Name	HTT
Cellular localization	[Huntingtin]: Cytoplasm . Nucleus . Early endosome .
	The mutant Huntingtin protein colocalizes with
	AKAP8L in the nuclear matrix of Huntington disease
	neurons. Shuttles between cytoplasm and nucleus in
	a Ran GTPase-independent manner
	(PubMed:15654337). Re
Purification	The antibody was affinity-purified from rabbit
	antiserum by affinity-chromatography using
	epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	3064
Human Swiss-Prot Number	P42858
Alternative Names	HTT; HD; IT15; Huntingtin; Huntington disease
	protein; HD protein
Background	huntingtin(HTT) Homo sapiens Huntingtin is a



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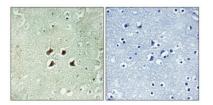
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disease gene linked to Huntington's disease, a neurodegenerative disorder characterized by loss of striatal neurons. This is thought to be caused by an expanded, unstable trinucleotide repeat in the huntingtin gene, which translates as a polyglutamine 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 widel

Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by





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