

**HTT / Huntingtin Antibody (phospho-Ser421)
Rabbit Polyclonal Antibody
Catalog # ALS11221****Specification**

HTT / Huntingtin Antibody (phospho-Ser421) - Product Information

Application	IHC
Primary Accession	P42858
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	348kDa KDa

HTT / Huntingtin Antibody (phospho-Ser421) - Additional Information**Gene ID** 3064**Other Names**

Huntingtin, Huntington disease protein, HD protein, HTT, HD, IT15

Target/Specificity

Amino acids 416 to 424 of Human huntingtin protein phosphorylated at Ser421

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

HTT / Huntingtin Antibody (phospho-Ser421) is for research use only and not for use in diagnostic or therapeutic procedures.

HTT / Huntingtin Antibody (phospho-Ser421) - Protein Information**Name** HTT**Synonyms** HD, IT15**Function**

[Huntingtin]: May play a role in microtubule-mediated transport or vesicle function.

Cellular Location

[Huntingtin]: Cytoplasm. Nucleus. Early endosome. Note=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). Recruits onto early endosomes in a Rab5- and HAP40-dependent fashion (PubMed:16476778)

Tissue Location

Expressed in the brain cortex (at protein level). Widely expressed with the highest level of expression in the brain (nerve fibers, varicosities, and nerve endings). In the brain, the regions

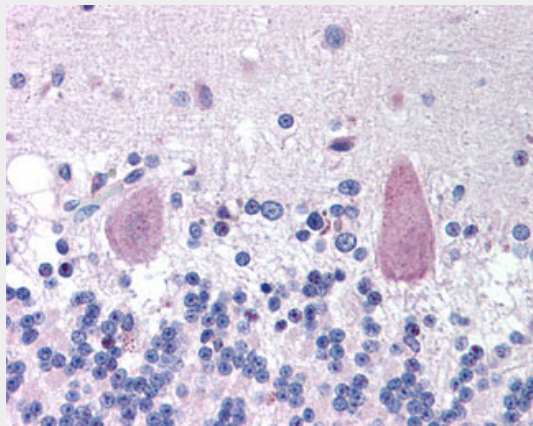
where it can be mainly found are the cerebellar cortex, the neocortex, the striatum, and the hippocampal formation

HTT / Huntingtin Antibody (phospho-Ser421) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HTT / Huntingtin Antibody (phospho-Ser421) - Images



Anti-HTT / Huntingtin antibody IHC of human brain cerebellum.

HTT / Huntingtin Antibody (phospho-Ser421) - Background

May play a role in microtubule-mediated transport or vesicle function.

HTT / Huntingtin Antibody (phospho-Ser421) - References

Macdonald M., et al. Cell 72:971-983(1993).
Matsuyama N., et al. Genomics 69:72-85(2000).
Hillier L.W., et al. Nature 434:724-731(2005).
Ambrose C.M., et al. Somat. Cell Mol. Genet. 20:27-38(1994).
Lin B., et al. Genomics 25:707-715(1995).