

HEXB Antibody (aa481-530)
Rabbit Polyclonal Antibody
Catalog # ALS15436**Specification**

HEXB Antibody (aa481-530) - Product Information

Application	WB, IHC
Primary Accession	P07686
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63kDa KDa

HEXB Antibody (aa481-530) - Additional Information**Gene ID** 3074**Other Names**

Beta-hexosaminidase subunit beta, 3.2.1.52, Beta-N-acetylhexosaminidase subunit beta, Hexosaminidase subunit B, Cervical cancer proto-oncogene 7 protein, HCC-7, N-acetyl-beta-glucosaminidase subunit beta, Beta-hexosaminidase subunit beta chain B, Beta-hexosaminidase subunit beta chain A, HEXB

Target/Specificity

HEXB Antibody detects endogenous levels of total HEXB protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

HEXB Antibody (aa481-530) is for research use only and not for use in diagnostic or therapeutic procedures.

HEXB Antibody (aa481-530) - Protein Information**Name** HEXB ([HGNC:4879](#))**Function**

Hydrolyzes the non-reducing end N-acetyl-D-hexosamine and/or sulfated N-acetyl-D-hexosamine of glycoconjugates, such as the oligosaccharide moieties from proteins and neutral glycolipids, or from certain mucopolysaccharides (PubMed:11707436, PubMed:9694901, PubMed:8672428, PubMed:8123671). The isozyme B does not hydrolyze each of these substrates, however hydrolyzes efficiently neutral oligosaccharide (PubMed:11707436). Only the isozyme A is responsible for the degradation of GM2 gangliosides in the presence of GM2A

(PubMed:9694901, PubMed:8672428, PubMed:8123671). During fertilization is responsible, at least in part, for the zona block to polyspermy. Present in the cortical granules of non-activated oocytes, is exocytosed during the cortical reaction in response to oocyte activation and inactivates the sperm galactosyltransferase-binding site, accounting for the block in sperm binding to the zona pellucida (By similarity).

Cellular Location

Lysosome. Cytoplasmic vesicle, secretory vesicle, Cortical granule
{ECO:0000250|UniProtKB:P20060}

Volume

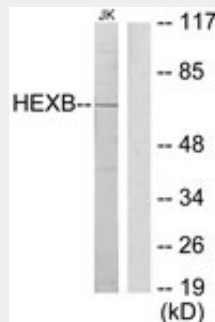
50 µl

HEXB Antibody (aa481-530) - Protocols

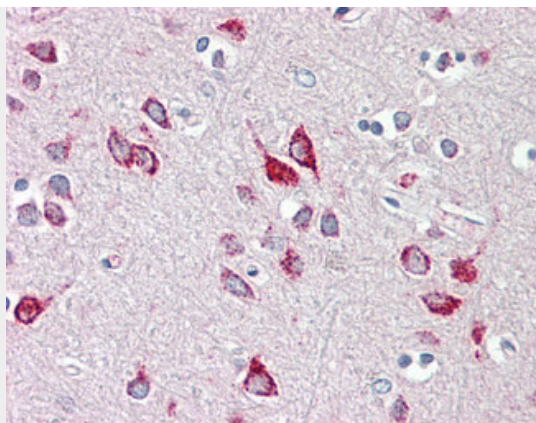
Provided below are standard protocols that you may find useful for product applications.

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

HEXB Antibody (aa481-530) - Images



Western blot of extracts from Jurkat cells, using HEXB Antibody.



Anti-HEXB antibody IHC of human brain, cortex.

HEXB Antibody (aa481-530) - Background

Responsible for the degradation of GM2 gangliosides, and a variety of other molecules containing terminal N-acetyl hexosamines, in the brain and other tissues.

HEXB Antibody (aa481-530) - References

- Korneluk R.G., et al. J. Biol. Chem. 261:8407-8413(1986).
Neote K., et al. Genomics 3:279-286(1988).
Proia R.L., et al. Proc. Natl. Acad. Sci. U.S.A. 85:1883-1887(1988).
Kim J.W., et al. Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
Kalnina N., et al. Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.