

HEXA antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14612**Specification**

HEXA antibody - C-terminal region - Product Information

Application	WB, IHC
Primary Accession	P06865
Other Accession	NM_000520 , NP_000511
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Sheep, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Sheep, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48kDa kDa

HEXA antibody - C-terminal region - Additional Information**Gene ID** 3073**Alias Symbol** MGC99608, TSD**Other Names**

Beta-hexosaminidase subunit alpha, 3.2.1.52, Beta-N-acetylhexosaminidase subunit alpha, Hexosaminidase subunit A, N-acetyl-beta-glucosaminidase subunit alpha, HEXA

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-HEXA antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

HEXA antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

HEXA antibody - C-terminal region - Protein Information**Name** HEXA ([HGNC:4878](#))**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:8123671, PubMed:8672428, PubMed:9694901)

target="_blank">9694901). The isozyme S is as active as the isozyme A on the anionic bis-sulfated glycans, the chondroitin-6- sulfate trisaccharide (C6S-3), and the dermatan sulfate pentasaccharide, and the sulfated glycosphingolipid SM2 (PubMed:11707436). 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:8123671, PubMed:8672428, PubMed:9694901).

Cellular Location

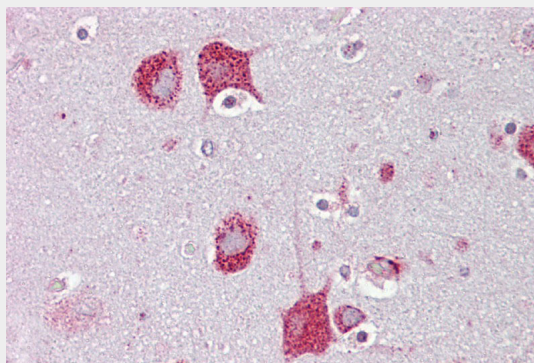
Lysosome.

HEXA antibody - C-terminal region - Protocols

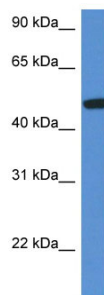
Provided below are standard protocols that you may find useful for product applications.

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

HEXA antibody - C-terminal region - Images



Immunohistochemistry with Brain, cortex tissue at an antibody concentration of 5µg/ml using anti-HEXA antibody (AI14612)



WB Suggested Anti-HEXA Antibody Titration: 1 µg/ml

Positive Control: Fetal kidney lysate

HEXA antibody - C-terminal region - References

Myerowitz R.,et al.Proc. Natl. Acad. Sci. U.S.A. 82:7830-7834(1985).

Proia R.L.,et al.J. Biol. Chem. 262:5677-5681(1987).

Triggs-Raine B.L.,et al.Am. J. Hum. Genet. 49:1041-1054(1991).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.