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

Specification

HEXA antibody - C-terminal region - Product Information

Application	**IHC, WB**
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:<a href="http://www.uniprot.org/citations/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).

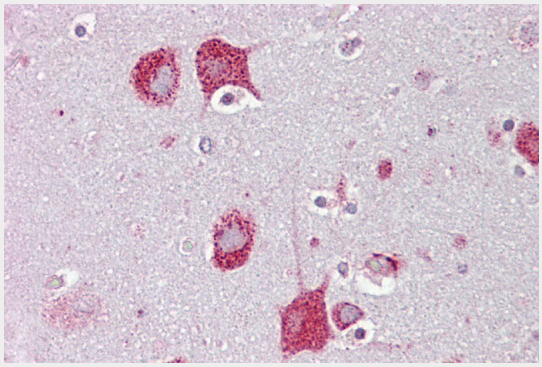
Cellular Location
Lysosome.

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 Cytomety
- 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)

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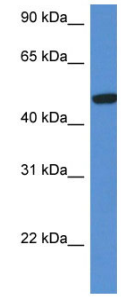

WB Suggested Anti-HEXA Antibody Titration: 1 µg/ml
Positive Control: Fetal kidney lysate

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.