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HEXA antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14612

Product Information

Application	WB, IHC
Primary Accession	P06865
Other Accession	NM_000520, NP_000511
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine, Sheep
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60703

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.

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). 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

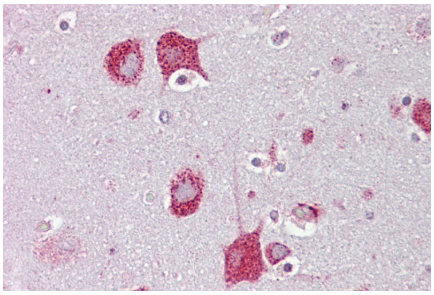
oligosaccharide (PubMed:11707436). Only the isozyme A is responsible for the degradation of GM2 gangliosides in the presence of GM2A (PubMed:8123671, PubMed:8672428, PubMed:9694901).

Cellular Location Lysosome.

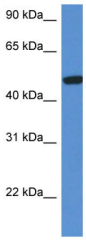
References

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.

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