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Anti-HEXA Antibody

Catalog # AP95855

Product Information

Application	WB, FC
Primary Accession	P06865
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	60703

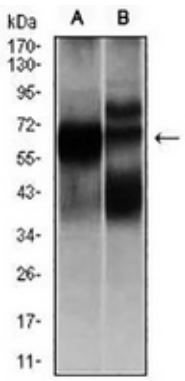
Additional Information

Gene ID	3073
Other Names	Beta-hexosaminidase subunit alpha; Beta-N-acetylhexosaminidase subunit alpha; Hexosaminidase subunit A; N-acetyl-beta-glucosaminidase subunit alpha
Target/Specificity	Recombinant fusion protein of human HEXA expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
Format	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

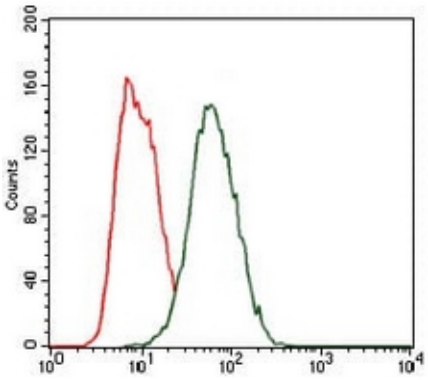
Protein Information

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:16698036, 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.

Images



Western blot analysis of HEXA expression in L1210 (A), HL7702 (B) whole cell lysates. (Predicted band size: 61 kD; Observed band size: 61 kD)



Flow cytometric analysis of HeLa cells using Anti-HEXA Antibody (green) and negative control (red).