

HEXA Antibody (clone AT20F1)
Mouse Monoclonal Antibody
Catalog # ALS15896**Specification**

HEXA Antibody (clone AT20F1) - Product Information

Application	WB, IHC
Primary Accession	P06865
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	61kDa kDa

HEXA Antibody (clone AT20F1) - Additional Information**Gene ID** 3073**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

Target/Specificity

Human HEXA

Reconstitution & Storage

Can be stored at 4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.

Precautions

HEXA Antibody (clone AT20F1) is for research use only and not for use in diagnostic or therapeutic procedures.

HEXA Antibody (clone AT20F1) - 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:9694901, PubMed:8672428, PubMed:8123671). 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:9694901, PubMed:8672428, PubMed:8123671).

Cellular Location

Lysosome.

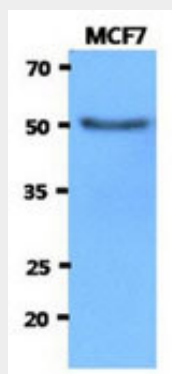
Volume

50 µl

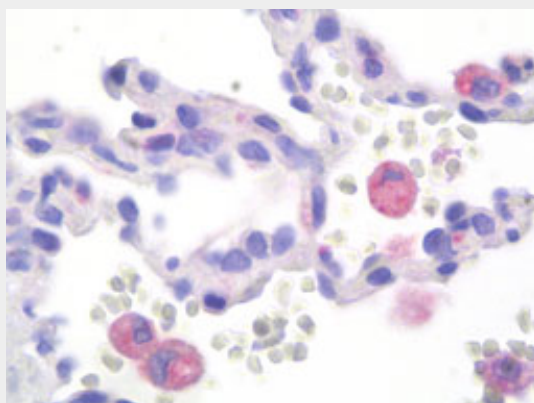
HEXA Antibody (clone AT20F1) - Protocols

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 (clone AT20F1) - Images

Western Blot: The cell lysates of MCF7 (40 ug) were resolved by SDS-PAGE, transferred to PVDF...



Anti-HEXA antibody IHC staining of human lung.

HEXA Antibody (clone AT20F1) - 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. The form B is active against certain oligosaccharides. The form S has no measurable activity.

HEXA Antibody (clone AT20F1) - 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.