

GM2A Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11040**Specification**

GM2A Antibody (N-Terminus) - Product Information

Application	IHC
Primary Accession	P17900
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21kDa KDa

GM2A Antibody (N-Terminus) - Additional Information**Gene ID** 2760**Other Names**

Ganglioside GM2 activator, Cerebroside sulfate activator protein, GM2-AP, Sphingolipid activator protein 3, SAP-3, Ganglioside GM2 activator isoform short, GM2A

Target/Specificity

Human GM2A. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

GM2A Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

GM2A Antibody (N-Terminus) - Protein Information**Name** GM2A ([HGNC:4367](#))**Function**

The large binding pocket can accommodate several single chain phospholipids and fatty acids, GM2A also exhibits some calcium- independent phospholipase activity (By similarity). Binds gangliosides and stimulates ganglioside GM2 degradation. It stimulates only the breakdown of ganglioside GM2 and glycolipid GA2 by beta-hexosaminidase A. It extracts single GM2 molecules from membranes and presents them in soluble form to beta-hexosaminidase A for cleavage of N-acetyl-D- galactosamine and conversion to GM3 (By similarity). Has cholesterol transfer activity (PubMed:17552909).

Cellular Location

Lysosome.

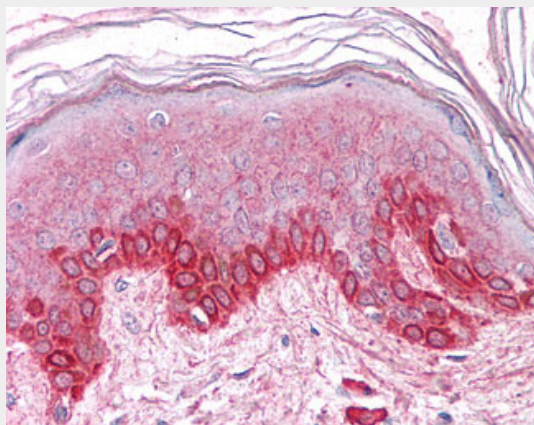
Volume
50 µl

GM2A Antibody (N-Terminus) - Protocols

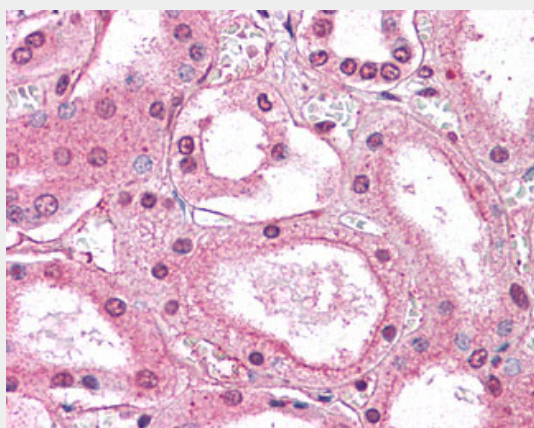
Provided below are standard protocols that you may find useful for product applications.

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

GM2A Antibody (N-Terminus) - Images



Anti-GM2A antibody ALS11040 IHC of human skin.



Anti-GM2A antibody ALS11040 IHC of human kidney.

GM2A Antibody (N-Terminus) - Background

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ganglioside GM2 and glycolipid GA2 by beta-hexosaminidase A. It extracts single GM2 molecules from membranes and presents them in soluble form to beta- hexosaminidase A for cleavage of N-acetyl-D-galactosamine and conversion to GM3.

GM2A Antibody (N-Terminus) - References

Xie B.,et al.Biochem. Biophys. Res. Commun. 177:1217-1223(1991).
Klima H.,et al.FEBS Lett. 289:260-264(1991).
Nagarajan S.,et al.Biochem. J. 282:807-813(1992).
Xie B.,et al.Genomics 14:796-798(1992).
Ota T.,et al.Nat. Genet. 36:40-45(2004).