

B4GALNT1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18357C**Specification**

B4GALNT1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q00973
Other Accession	NP_001469.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	58882
Antigen Region	296-323

B4GALNT1 Antibody (Center) - Additional Information**Gene ID** 2583**Other Names**

Beta-1, 4 N-acetylgalactosaminyltransferase 1, (N-acetylneuraminy)-galactosylglucosylceramide, GM2/GD2 synthase, GalNAc-T, B4GALNT1, GALGT, SIAT2

Target/Specificity

This B4GALNT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 296-323 amino acids from the Central region of human B4GALNT1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

B4GALNT1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

B4GALNT1 Antibody (Center) - Protein Information**Name** B4GALNT1 ([HGNC:4117](#))

Synonyms GALGT, SIAT2

Function Involved in the biosynthesis of gangliosides GM2, GD2, GT2 and GA2 from GM3, GD3, GT3 and GA3, respectively.

Cellular Location

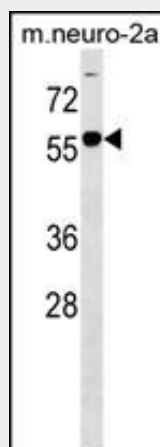
Golgi apparatus membrane {ECO:0000250|UniProtKB:Q10468}; Single-pass type II membrane protein

B4GALNT1 Antibody (Center) - Protocols

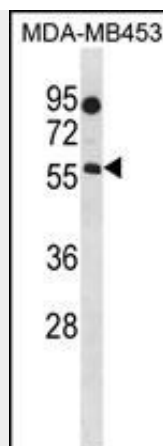
Provided below are standard protocols that you may find useful for product applications.

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

B4GALNT1 Antibody (Center) - Images



B4GALNT1 Antibody (Center) (Cat. #AP18357c) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the B4GALNT1 Antibody detected the B4GALNT1 protein (arrow).



B4GALNT1 Antibody (Center) (Cat. #AP18357c) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the B4GALNT1 antibody detected the B4GALNT1 protein (arrow).

B4GALNT1 Antibody (Center) - Background

GM2 and GD2 gangliosides are sialic acid-containing glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids. GalNAc-T catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively.

B4GALNT1 Antibody (Center) - References

Chen, L.C., et al. Lung Cancer 67(2):216-220(2010)
Boraska, V., et al. Clin. Biochem. 42(9):819-822(2009)
Gornati, R., et al. Mol. Cell. Biochem. 298 (1-2), 59-68 (2007) :
Li, J., et al. J. Biol. Chem. 275(52):41476-41486(2000)
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