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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-acetylneuraminyl)-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

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.

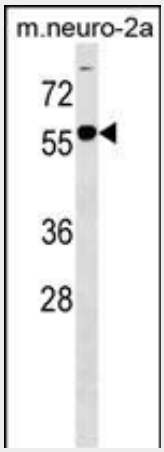
Cellular Location
Golgi apparatus membrane {ECO:0000250|UniProtKB:Q10468}; Single-pass type II membrane protein

B4GALNT1 Antibody (Center) - Protocols

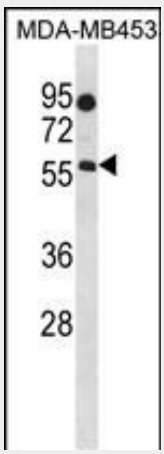
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).



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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

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Boraska, V., et al. Clin. Biochem. 42(9):819-822(2009)
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