Rabbit anti-Human, mouse B4GALNT1 Polyclonal Antibody | anti-B4GALNT1 antibody

B4GALNT1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285917	**Rabbit**	**Human, mouse**	**ELISA, Western Blot**

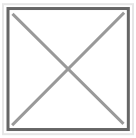
PRODUCT SYNONYMS

B4GALNT1; Polyclonal Antibody; B4GALNT1 Antibody (Center); Beta-1; 4 N-acetylgalactosaminyltransferase 1; (N-acetylneuraminyl)-galactosylglucosylceramide; GM2/GD2 synthase; GalNAc-T; GALGT; SIAT2; anti-B4GALNT1 antibody

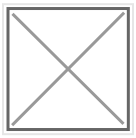
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.35 (varies by lot)
Sequence Positions	296-323
Sequence Length	478
Applicable Applications for anti-B4GALNT1 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



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



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

ADDITIONAL INFORMATION

Related Product Information for anti-B4GALNT1 antibody	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.
Product Categories/Family for anti-B4GALNT1 antibody	Metabolism; Signal Transduction
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) Li, J., et al. J. Biol. Chem. 275(52):41476-41486(2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	451172101
NCBI GeneID	2583
NCBI Accession #	NP_001263397.1; NP_001469.1
NCBI GenBank Nucleotide #	NM_001276468.1
UniProt Accession #	Q00973; Q8N636; B4DE26
Molecular Weight	58882
NCBI Official Full Name	beta-1,4 N-acetylgalactosaminyltransferase 1 isoform 2
NCBI Official Synonym Full Names	beta-1,4-N-acetyl-galactosaminyl transferase 1
NCBI Official Symbol	B4GALNT1
NCBI Official Synonym Symbols	GALGT; SPG26; GALNACT; GalNAc-T
NCBI Protein Information	beta-1,4 N-acetylgalactosaminyltransferase 1
UniProt Protein Name	Beta-1,4 N-acetylgalactosaminyltransferase 1
UniProt Gene Name	**B4GALNT1**
UniProt Synonym Gene Names	GALGT; SIAT2
UniProt Entry Name	B4GN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/b4galnt1-antibody-western-blot-elisa/285917