

Rabbit B4GALNT1 Polyclonal Antibody | anti-B4GALNT1 antibody

B4GALNT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324512	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

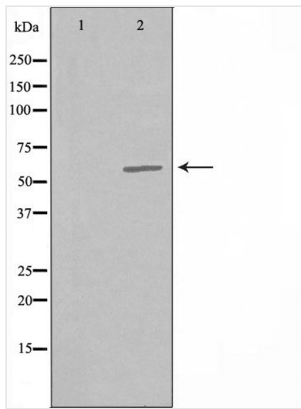
PRODUCT SYNONYMS

B4GALNT1; Polyclonal Antibody; B4GALNT1 Antibody; (N acetylneuraminy) galactosylglucosylceramide; (N-acetylneuraminy)-galactosylglucosylceramide; 4 N-acetylgalactosaminyltransferase 1; 4933429D13Rik; B4GN1_HUMAN; Beta 1 4 N acetyl galactosaminyl transferase 1; Beta 1 4 N acetylgalactosaminyltransferase 1; Beta-1; BETA-1; 4-N-ACETYL GALACTOSAMINYLTRANSFERASE 1; 4-N-ACETYL GALACTOSAMINYLTRANSFERASE; Beta1 4GalNAc T; Gal-NAc-T; GALGT; Galgt1; GalNAc T; GalNAc-T; GALNACT; GD2 synthase; Ggm-2; Ggm2; GM2 synthase; GM2/GD2 synthase; SIAT 2; SIAT2; UDP Gal:betaGlcNAc beta 1 4 N acetylgalactosaminyltransferase transferase 1; UDP N acetyl alpha D galactosamine:(N acetylneuraminy) galactosylglucosylceramide N acetylgalactosaminyltransferase; anti-B4GALNT1 antibody

PRODUCT SPECIFICATIONS

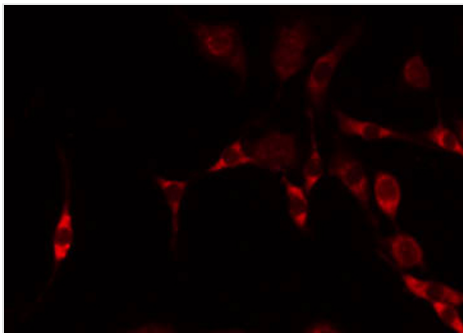
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	B4GALNT1 antibody detects endogenous levels of total B4GALNT1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	478
Applicable Applications for anti-B4GALNT1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Golgi Apparatus
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog
Similarity	Pig (91%), Bovine (80%), Sheep (90%), Rabbit (100%), Dog (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using B4GALNT1 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324512 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-B4GALNT1 antibody	Function: Involved in the biosynthesis of gangliosides GM2, GD2 and GA2. Subunit Structure: Homodimer; disulfide-linked. Similarity: Belongs to the glycosyltransferase 2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	451172101
NCBI GeneID	2583
NCBI Accession #	NP_001263397.1
NCBI GenBank Nucleotide #	NM_001276468.1
UniProt Accession #	Q00973; Q8N636; B4DE26
Molecular Weight	Observed: 60 kD Predicted: 59 kDa
NCBI Official Full Name	beta-1,4 N-acetylgalactosaminyltransferase 1 isoform 2
NCBI Official Synonym Full Names	beta-1,4-N-acetyl-galactosaminyltransferase 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

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.