

Rabbit anti-Human, Mouse B3GALT1 Polyclonal Antibody | anti-B3GALT1 antibody

B3GALT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324507	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

B3GALT1; Polyclonal Antibody; B3GALT1 Antibody; 3-galactosyltransferase 1; 3-GalTase 1; B3GT1_HUMAN; Beta 1; 3 galactosyltransferase 1; 3 GalTase 1; Beta 3 galT1; Beta-1; beta3Gal T1; Beta3Gal-T1; Beta3GalT1; UDP Gal:betaGlcNAc beta 1; 3 galactosyltransferase; polypeptide 1; UDP galactose:beta N acetyl glucosamine beta 1; UDP-galactose:beta-N-acetyl-glucosamine-beta-1; anti-B3GALT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	B3GALT1 antibody detects endogenous levels of total B3GALT1
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	326
Applicable Applications for anti-B3GALT1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Golgi Apparatus Membrane.
Tissue Specificity	Detected in brain and colon mucosa and to a lesser extent in colon adenocarcinoma cells.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (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 HepG2 cells using B3GALT1 antibody.



IF (Immunofluorescence)
AAA324507 staining HuvEc 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-B3GALT1 antibody	Function: Beta-1, 3-galactosyltransferase that transfers galactose from UDP-alpha-D-galactose to substrates with a terminal beta-N-acetylglucosamine (beta-GlcNAc) residue. Involved in the biosynthesis of the carbohydrate moieties of glycolipids and glycoproteins. Inactive towards substrates with terminal alpha-N-acetylglucosamine (alpha-GlcNAc) or alpha-N-acetylgalactosamine (alpha-GalNAc) residues. Similarity: Belongs to the glycosyltransferase 31 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10304987
NCBI GeneID	8708
NCBI Accession #	NP_066191.1
NCBI GenBank Nucleotide #	NM_020981.3
UniProt Accession #	Q9Y5Z6; Q53SS2; D3DPB8
Molecular Weight	Observed: 36 kD Predicted: 38 kDa
NCBI Official Full Name	beta-1,3-galactosyltransferase 1
NCBI Official Synonym Full Names	beta-1,3-galactosyltransferase 1
NCBI Official Symbol	B3GALT1
NCBI Official Synonym Symbols	beta3Gal-T1
NCBI Protein Information	beta-1,3-galactosyltransferase 1
UniProt Protein Name	Beta-1,3-galactosyltransferase 1
UniProt Gene Name	B3GALT1
UniProt Synonym Gene Names	Beta-1,3-GalTase 1; Beta3Gal-T1; Beta3GalT1

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/b3galt1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324507>