

Rabbit B3GALT1 Polyclonal Antibody | anti-B3GALT1 antibody

B3GALT1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200011	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

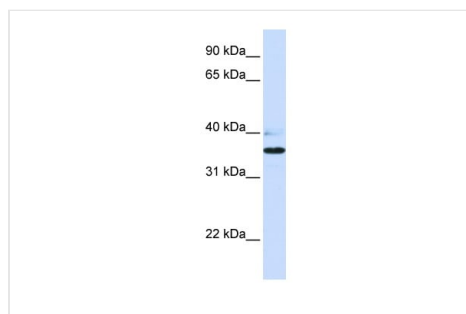
PRODUCT SYNONYMS

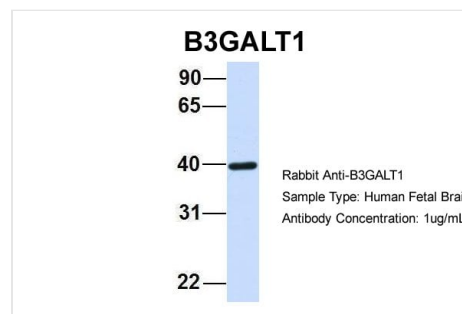
B3GALT1; Polyclonal Antibody; B3GALT1 antibody - N-terminal region; anti-B3GALT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MA SKVSCLYVLT VVCWASALWY LSITRPTSSY TGSKPFSLT VARKNFTF
Sequence Length	326
Applicable Applications for anti-B3GALT1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human B3GALT1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-B3GALT1 Antibody Titration: 0.2-1 ug/mL
ELISA Titer: 1:312500
Positive Control: Human heart

WB (Western Blot)

Host: Rabbit
Target Name: B3GALT1
Sample Type: Human Fetal Brain
Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-B3GALT1 antibody	This is a rabbit polyclonal antibody against B3GALT1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: B3GALT1 is a member of the beta-1,3-galactosyltransferase (beta3GalT) family. This family are type II membrane-bound glycoproteins with diverse enzymatic functions using different donor substrates (UDP-galactose and UDP-N-acetylglucosamine) and different acceptor sugars (N-acetylglucosamine, galactose, N-acetylgalactosamine). The beta3GalT genes are distantly related to the Drosophila Brainiac gene and have the protein coding sequence contained in a single exon. The beta3GalT proteins also contain conserved sequences not found in the beta4GalT or alpha3GalT proteins. The carbohydrate chains synthesized by these enzymes are designated as type 1, whereas beta4GalT enzymes synthesize type 2 carbohydrate chains. The ratio of type 1:type 2 chains changes during embryogenesis. By sequence similarity, the beta3GalT genes fall into at least two groups: beta3GalT4 and 4 other beta3GalT genes (beta3GalT1-3, beta3GalT5). This gene is expressed exclusively in the brain. The encoded protein shows strict donor substrate specificity for UDP-galactose. This gene is a member of the beta-1,3-galactosyltransferase (beta3GalT) gene family. This family encodes type II membrane-bound glycoproteins with diverse enzymatic functions using different donor substrates (UDP-galactose and UDP-N-acetylglucosamine) and different acceptor sugars (N-acetylglucosamine, galactose, N-acetylgalactosamine). The beta3GalT genes are distantly related to the Drosophila Brainiac gene and have the protein coding sequence contained in a single exon. The beta3GalT proteins also contain conserved sequences not found in the beta4GalT or alpha3GalT proteins. The carbohydrate chains synthesized by these enzymes are designated as type 1, whereas beta4GalT enzymes synthesize type 2 carbohydrate chains. The ratio of type 1:type 2 chains changes during embryogenesis. By sequence similarity, the beta3GalT genes fall into at least two groups: beta3GalT4 and 4 other beta3GalT genes (beta3GalT1-3, beta3GalT5). This gene is expressed exclusively in the brain. The encoded protein shows strict donor substrate specificity for UDP-galactose.
Product Categories/Family for anti-B3GALT1 antibody	Polyclonal; Signal Proteins; Membrane Protein; Developmental Biology; Membrane & Traffic; Glycosylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	10304987
NCBI GeneID	8708
NCBI Accession #	NP_066191
NCBI GenBank Nucleotide #	NM_020981
UniProt Accession #	Q9Y5Z6
Molecular Weight	38kDa
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
UniProt Entry Name	B3GT1_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.