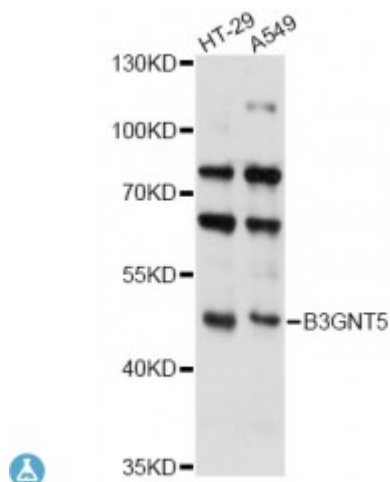


Anti-B3GNT5 Antibody



Description

This gene encodes a member of the beta-1,3-N-acetylglucosaminyltransferase family. This enzyme is a type II membrane protein. It exhibits strong activity to transfer GlcNAc to glycolipid substrates and is identified as the most likely candidate for lactotriaosylceramide synthase. This enzyme is essential for the expression of Lewis X epitopes on glycolipids.

Model	STJ116638
Host	Rabbit
Reactivity	Human, Mouse
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 36-378 of human B3GNT5 (NP_114436.1).
Gene ID	84002
Gene Symbol	B3GNT5
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Widely expressed, Highly expressed in lung, colon, placenta, testis, pituitary gland and cerebellum, Weakly expressed in brain, liver, spleen, lymph node and thymus
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Lactosylceramide 1,3-N-acetyl-beta-D-glucosaminyltransferase

Molecular Weight	44.053 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:15684OMIM:615333Reactome:R-HSA-913709
Alternative Names	Lactosylceramide 1,3-N-acetyl-beta-D-glucosaminyltransferase
Function	Beta-1,3-N-acetylglucosaminyltransferase that plays a key role in the synthesis of lacto- or neolacto-series carbohydrate chains on glycolipids, notably by participating in biosynthesis of HNK-1 and Lewis X carbohydrate structures, Has strong activity toward lactosylceramide (LacCer) and neolactotetraosylceramide (nLc(4)Cer
Cellular Localization	Golgi apparatus membrane

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