



BGAT rabbit pAb

Catalog No	BYab-07933
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	ABO
Protein Name	BGAT
Immunogen	Synthesized peptide derived from human BGAT AA range: 222-272
Specificity	This antibody detects endogenous levels of BGAT at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.47% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Histo-blood group ABO system transferase (Fucosylglycoprotein 3-alpha-galactosyltransferase) (Fucosylglycoprotein alpha-N-acetylgalactosaminyltransferase) (Glycoprotein-fucosylgalactoside alpha-N-acetylgalactosaminyltransferase) (EC 2.4.1.40) (Glycoprotein-fucosylgalactoside alpha-galactosyltransferase) (EC 2.4.1.37) (Histo-blood group A transferase) (A transferase) (Histo-blood group B transferase) (B transferase) (NAGAT) [Cleaved into: Fucosylglycoprotein alpha-N-acetylgalactosaminyltransferase soluble form]
Observed Band	38kD
Cell Pathway	Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Secreted. Membrane-bound form in trans cisternae of Golgi. Secreted into the body fluid.
Tissue Specificity	Blood,Human adenocarcinoma,PCR rescued clones,Peripheral,Peripheral blood,Peripheral lymphocytes,

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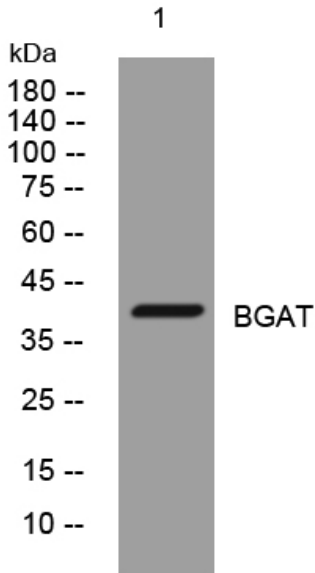


Function	<p>catalytic activity:UDP-galactose + alpha-L-fucosyl-(1->2)-D-galactosyl-R = UDP + alpha-D-galactosyl-(1->3)-(alpha-L-fucosyl-(1->2))-D-galactosyl-R.,catalytic activity:UDP-N-acetyl-D-galactosamine + glycoprotein-alpha-L-fucosyl-(1->2)-D-galactose = UDP + glycoprotein-N-acetyl-alpha-D-galactosaminy-(1->3)-(alpha-L-fucosyl-(1->2))-D-galactose.,cofactor:Binds 1 manganese ion per subunit.,domain:The conserved DXD motif is involved in cofactor binding. The manganese ion interacts with the beta-phosphate group of UDP and may also have a role in catalysis.,function:This protein is the basis of the ABO blood group system. The histo-blood group ABO involves three carbohydrate antigens: A, B, and H. A, B, and AB individuals express a glycosyltransferase activity that converts the H antigen to the A antigen (by addition of UDP-GalNAc) or to the B antigen (by addition of UDP-Gal), whereas O individuals</p>
Background	<p>This gene encodes proteins related to the first discovered blood group system, ABO. Which allele is present in an individual determines the blood group. The 'O' blood group is caused by a deletion of guanine-258 near the N-terminus of the protein which results in a frameshift and translation of an almost entirely different protein. Individuals with the A, B, and AB alleles express glycosyltransferase activities that convert the H antigen into the A or B antigen. Other minor alleles have been found for this gene. [provided by RefSeq, Jul 2008],</p>
matters needing attention	<p>Avoid repeated freezing and thawing!</p>
Usage suggestions	<p>This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.</p>

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Products Images



Western blot analysis of lysates from HeLa cells,
primary antibody was diluted at 1:1000, 4° over night