10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

B3GALT1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50211

Product Information

Application	WB
Primary Accession	Q9Y5Z6
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	37993

Additional Information

Gene ID	8708
Other Names	Beta-1, 3-galactosyltransferase 1, Beta-1, 3-GalTase 1, Beta3Gal-T1, Beta3GalT1, 241-, UDP-galactose:beta-N-acetyl-glucosamine-beta-1, 3-galactosyltransferase 1, B3GALT1
Dilution	WB~~ 1:1000
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

Protein Information

Name	B3GALT1 (HGNC:916)
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.
Cellular Location	Golgi apparatus membrane; Single- pass type II membrane protein
Tissue Location	Detected in brain and colon mucosa and to a lesser extent in colon adenocarcinoma cells.

Background

Beta-1,3-galactosyltransferase that transfers galactose from UDP-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.

References

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Kitano T.,et al.Mol. Biol. Evol. 21:936-944(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).
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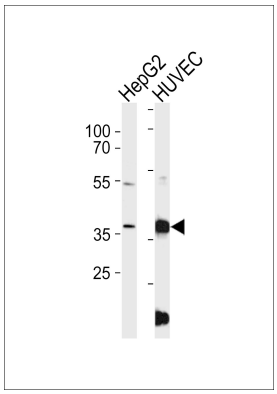
Images



Western blot analysis of lysates from HepG2,HUVEC cell line (from left to right),using B3GALT1 Antibody(C14712). C14712 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

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