

B3GALT1 Antibody
Affinity-Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50211**Specification**

B3GALT1 Antibody - Product Information

Application	WB
Primary Accession	O9Y5Z6
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38 KDa
Antigen Region	80-109

B3GALT1 Antibody - 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-acetylglucosamine-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°C

B3GALT1 Antibody - 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

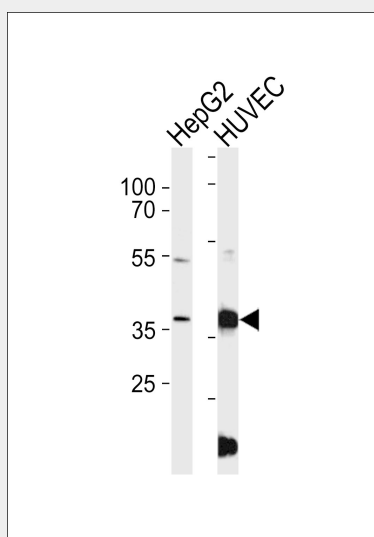
Detected in brain and colon mucosa and to a lesser extent in colon adenocarcinoma cells.

B3GALT1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

B3GALT1 Antibody - 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 35 µg per lane.

B3GALT1 Antibody - 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.

B3GALT1 Antibody - References

Bardoni A., et al. FEBS Lett. 451:75-80 (1999).
Kitano T., et al. Mol. Biol. Evol. 21:936-944 (2004).
Hillier L.W., et al. Nature 434:724-731 (2005).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DBJ databases.
Amado M., et al. J. Biol. Chem. 273:12770-12778 (1998).