

B3GNT6 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9886c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q6ZMB0
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24269
Calculated MW	42748
Antigen Region	146-173

Additional Information

Gene ID	192134
Other Names	UDP-GlcNAc:betaGal beta-1, 3-N-acetylglucosaminyltransferase 6, BGnT-6, Beta-1, 3-Gn-T6, Beta-1, 3-N-acetylglucosaminyltransferase 6, Beta3Gn-T6, 241-, Core 3 synthase, B3GNT6
Target/Specificity	This B3GNT6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 146-173 amino acids from the Central region of human B3GNT6.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	B3GNT6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	B3GNT6
Function	Beta-1,3-N-acetylglucosaminyltransferase that synthesizes the core 3 structure of the O-glycan, an important precursor in the biosynthesis of mucin-type glycoproteins. Plays an important role in the synthesis of

mucin-type O-glycans in digestive organs.

Cellular Location

Golgi apparatus membrane; Single-pass type II membrane protein

Tissue Location

Present in stomach and colon (at protein level). Restricted in the stomach, colon and small intestine, where core 3 structure is present.

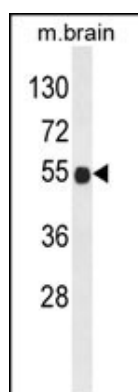
References

Lee, S.H., et al. J. Biol. Chem. 284(25):17157-17169(2009)

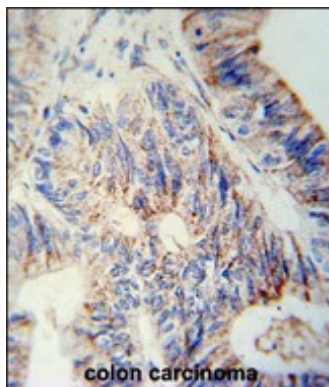
Iwai, T., et al. Proc. Natl. Acad. Sci. U.S.A. 102(12):4572-4577(2005)

Iwai, T., et al. J. Biol. Chem. 277(15):12802-12809(2002)

Images



Western blot analysis of B3GNT6 Antibody (Center) (Cat. #AP9886c) in mouse brain tissue lysates (35ug/lane). B3GNT6 (arrow) was detected using the purified Pab.



B3GNT6 Antibody (Center) (Cat. #AP9886c) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the B3GNT6 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.