

B3GALT6 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5011b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q96L58
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23047
Calculated MW	37138
Antigen Region	241-269

Additional Information

Gene ID	126792
Other Names	Beta-1, 3-galactosyltransferase 6, Beta-1, 3-GalTase 6, Beta3Gal-T6, Beta3GalT6, GAG GalTII, Galactosyltransferase II, Galactosylxylosylprotein 3-beta-galactosyltransferase, UDP-Gal:betaGal beta 1, 3-galactosyltransferase polypeptide 6, B3GALT6
Target/Specificity	This B3GALT6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 241-269 amino acids from the C-terminal region of human B3GALT6.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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	B3GALT6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	B3GALT6
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Function	Beta-1,3-galactosyltransferase that transfers galactose from UDP-galactose to substrates with a terminal beta-linked galactose residue. Has a preference for galactose-beta-1,4-xylose that is found in the linker region of glycosaminoglycans, such as heparan sulfate and chondroitin sulfate. Has no activity towards substrates with terminal glucosamine or galactosamine residues.
Cellular Location	Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein
Tissue Location	Ubiquitous..

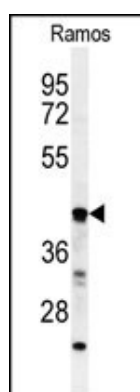
Background

B3GALT6, Beta-1,3-galactosyltransferase that transfers galactose from UDP-galactose to substrates with a terminal beta-linked galactose residue. B3GALT6 has a preference for galactose-beta-1,4-xylose that is found in the linker region of glycosaminoglycans, such as heparan sulfate and chondroitin sulfate. B3GALT6 has no activity towards substrates with terminal glucosamine or galactosamine residues.

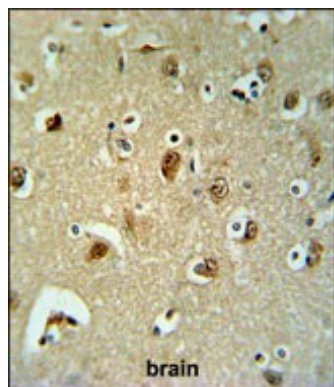
References

Bai, X., et al. J. Biol. Chem. 276(51):48189-48195(2001) Zhou, D., et al. Proc. Natl. Acad. Sci. U.S.A. 96(2):406-411(1999)

Images

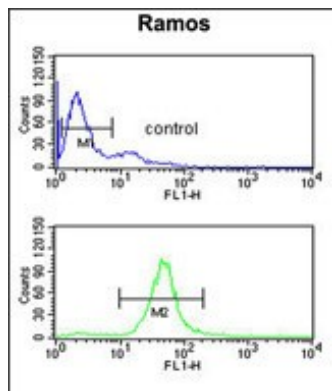


Western blot analysis of B3GALT6 Antibody (C-term) (Cat. #AP5011b) in Ramos cell line lysates (35ug/lane). B3GALT6 (arrow) was detected using the purified Pab.



B3GALT6 Antibody (C-term) (Cat. #AP5011b) in Ramos cell line lysates (35ug/lane). B3GALT6 (arrow)) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the B3GALT6 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

B3GALT6 Antibody (C-term) (Cat. #AP5011b) flow cytometric analysis of Ramos cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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