

Rabbit B4GALT6 Polyclonal Antibody | anti-B4GALT6 antibody

B4GALT6 Antibody (C-term)

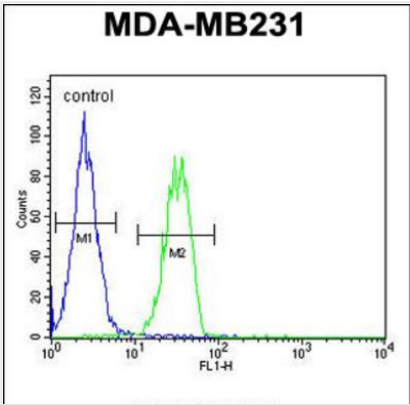
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288174	Rabbit	Human (Predicted Reactivity: Mouse)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

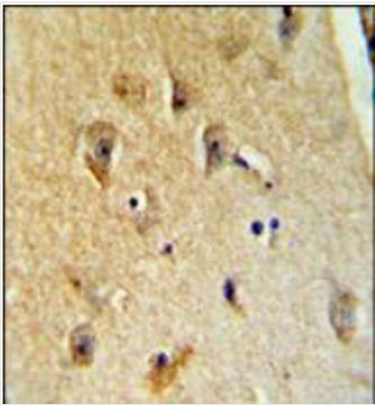
B4GALT6; Polyclonal Antibody; B4GALT6 Antibody (C-term); Beta-1; 4-galactosyltransferase 6; 4-GalTase 6; Beta4Gal-T6; b4Gal-T6; 241-; UDP-Gal:beta-GlcNAc beta-1; UDP-galactose:beta-N-acetylglucosamine beta-1; Glucosylceramide beta-1; 4-galactosyltransferase; Lactosylceramide synthase; LacCer synthase; UDP-Gal:glucosylceramide beta-1; anti-B4GALT6 antibody

PRODUCT SPECIFICATIONS

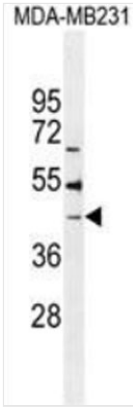
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This B4GALT6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 319-346 amino acids from the C-terminal region of human B4GALT6.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	319-346
Sequence Length	382
Applicable Applications for anti-B4GALT6 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Cellular Location	Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Note= Trans cisternae of Golgi stack.
Tissue Location	High expression in brain and adrenal gland, lower in liver, lung, colon and peripheral white blood cells.
Antigen Region	319-346
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
B4GALT6 Antibody (C-term) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
B4GALT6 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the B4GALT6 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
B4GALT6 Antibody (C-term) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the B4GALT6 antibody detected the B4GALT6 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-B4GALT6 antibody	Function Catalyzes the synthesis of lactosylceramide (LacCer) via the transfer of galactose from UDP-galactose to glucosylceramide (GlcCer) (PubMed:3099851, PubMed:1551920, PubMed:24498430). LacCer is the starting point in the biosynthesis of all gangliosides (membrane-bound glycosphingolipids) which play pivotal roles in the CNS including neuronal maturation and axonal and myelin formation (By similarity)
Product Categories/Family for anti-B4GALT6 antibody	Metabolism; Signal Transduction
References	Landers, J.E., et al. Proc. Natl. Acad. Sci. U.S.A. 106(22):9004-9009(2009) Gevaert, K., et al. Nat. Biotechnol. 21(5):566-569(2003) Fan, Y., et al. DNA Seq. 13(1):1-8(2002) Amado, M., et al. Biochim. Biophys. Acta 1473(1):35-53(1999) Takizawa, M., et al. Biochim. Biophys. Acta 1438(2):301-304(1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	190570165
NCBI GeneID	9331
NCBI Accession #	NP_004766.2
NCBI GenBank Nucleotide #	NM_004775.3
UniProt Accession #	Q9UBX8; O60514; Q6NT09

Molecular Weight	44914
NCBI Official Full Name	beta-1,4-galactosyltransferase 6
NCBI Official Synonym Full Names	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 6
NCBI Official Symbol	B4GALT6
NCBI Official Synonym Symbols	B4Gal-T6; beta4Gal-T6
NCBI Protein Information	beta-1,4-galactosyltransferase 6
UniProt Protein Name	Beta-1,4-galactosyltransferase 6
UniProt Gene Name	B4GALT6
UniProt Synonym Gene Names	Beta-1,4-GalTase 6; Beta4Gal-T6; b4Gal-T6; LacCer synthase
UniProt Entry Name	B4GT6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/b4galt6-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/288174>