



[Go to Product page](#)

Datasheet for ABIN7271198

anti-B4GALT2 antibody (AA 155-271)

1 Image

Overview

Quantity:	100 µL
Target:	B4GALT2
Binding Specificity:	AA 155-271
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This B4GALT2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	B4GALT2 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 155-271 of human B4GALT2 (NP_085076.2).
Sequence:	PGVLMGGRYT PPDCTPAQTV AVIIPFRHRE HHLRYWLHYL HPILRRQRLR YGVYVINQHG EDTFNRAKLL NVGFLEALKE DAAAYDCFIFS DVDLVPMDDR NLYRCGDQPR HFAIAMD
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

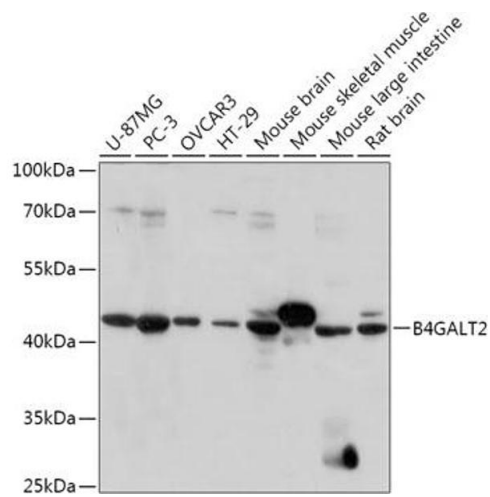
Target:	B4GALT2
Alternative Name:	B4GALT2 (B4GALT2 Products)
Background:	<p>This gene is one of seven beta-1,4-galactosyltransferase (beta4GalT) genes. They encode type II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose, all transfer galactose in a beta1,4 linkage to similar acceptor sugars: GlcNAc, Glc, and Xyl. Each beta4GalT has a distinct function in the biosynthesis of different glycoconjugates and saccharide structures. As type II membrane proteins, they have an N-terminal hydrophobic signal sequence that directs the protein to the Golgi apparatus and which then remains uncleaved to function as a transmembrane anchor. By sequence similarity, the beta4GalTs form four groups: beta4GalT1 and beta4GalT2, beta4GalT3 and beta4GalT4, beta4GalT5 and beta4GalT6, and beta4GalT7. The enzyme encoded by this gene synthesizes N-acetyllactosamine in glycolipids and glycoproteins. Its substrate specificity is affected by alpha-lactalbumin but it is not expressed in lactating mammary tissue. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2011],B4Gal-T2,B4Gal-T3,beta4Gal-T2,B4GALT2,B4GALT2</p>
Gene ID:	8704
UniProt:	O60909
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:100 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using B4G antibody (ABIN7271198) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.