

Datasheet for ABIN7531707
anti-B4GALT4 antibody (AA 35-344)



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1 Image

Overview

Quantity:	20 µL
Target:	B4GALT4
Binding Specificity:	AA 35-344
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This B4GALT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	B4GALT4 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 35-344 of human B4GALT4 (NP_003769.1).
Sequence:	<p>VGAIQEIPKA KEFMANFHKT LILGKGKTLT NEASTKKVEL DNCPSVSPYL RGQSKLIFKP DLTLEEVQAE NPKVSRGRYR PQECKALQRV AILVPHRNRE KHLMYLLEHL HPFLQRQQLD YGIYVIHQAE GKKFNRAKLL NVGYLEALKE ENWDCFIFHD VDLVPENDFN LYKCEEHPKH LVVGRNSTGY RLRYSGYFGG VTALSREQFF KVNFGSNNYW GWGGEDDDLRLRVELQRMKI SRPLPEVGKY TMVFHTRDKG NEVNAERMKL LHQVSRVWRT DGLSSCSYKL VSVEHNPLYI NITVDFWFGA</p>
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat

Product Details

Characteristics: Polyclonal Antibodies

Purification: Affinity purification

Target Details

Target: B4GALT4

Alternative Name: B4GALT4 ([B4GALT4 Products](#))

Background: 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 appears to mainly play a role in glycolipid biosynthesis. Two alternatively spliced transcript variants have been found for this gene.,B4GALT4,B4Gal-T4,beta4Gal-T4,beta-1,B4GALT4

Molecular Weight: 40kDa

Gene ID: 8702

UniProt: [O60513](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 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

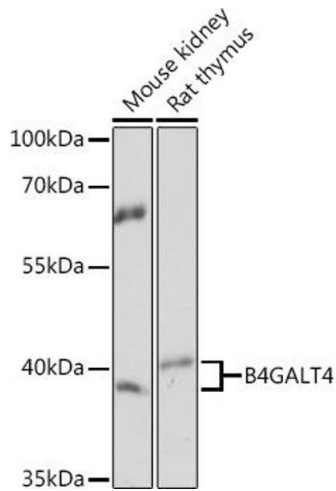
Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using B4G Rabbit pAb (ABIN7271201) 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: 1s.