

Datasheet for ABIN7271201  
**anti-B4GALT4 antibody (AA 35-344)**



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1 Image

## Overview

Quantity:	100 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:	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
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat

## Product Details

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Characteristics: Polyclonal Antibodies

Purification: Affinity purification

## Target Details

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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

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Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Restrictions: For Research Use only

## Handling

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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

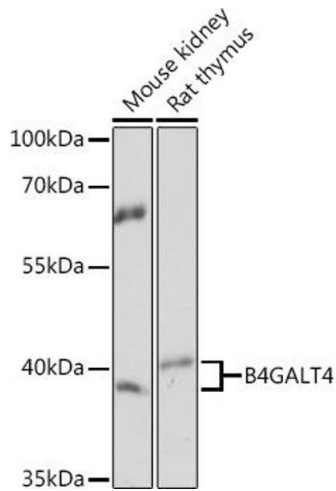
## Handling

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.