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anti-B4GALT4 antibody

2 Images



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Overview

Quantity:	200 μL
Target:	B4GALT4
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This B4GALT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein of human B4GALT4 (NP_003769.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
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.

Molecular Weight: Observed_MW: 40 kDa

Calculated_MW: 40 kDa

Gene ID: 8702

UniProt: 060513

Pathways: Glycosaminoglycan Metabolic Process

Application Details

Application Notes: WB 1:500-1:2000 IF 1:50-1:200

Restrictions: For Research Use only

Handling

Storage:

Format:

Concentration:

1 mg/mL

Buffer:

PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

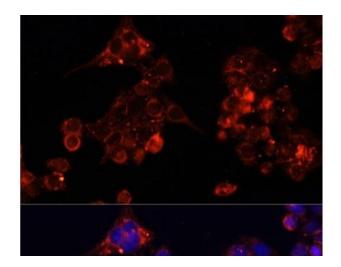
Preservative:

Sodium azide

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

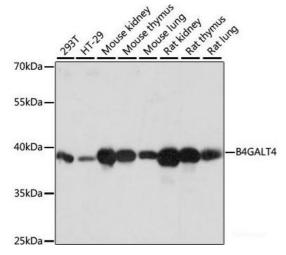
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

-20 °C



Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using B4GALT4 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using B4GALT4 Polyclonal Antibody at dilution of 1:1000.