

Datasheet for ABIN2781897
anti-B4GALT2 antibody (Middle Region)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	B4GALT2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Horse, Rabbit, Dog, Guinea Pig, Zebrafish (Danio rerio), Goat, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This B4GALT2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human B4GALT2
Sequence:	RLLEFTSPM PLERVQREN P GVLMMGGRYTP PDCTPAQTVA VIIPFRHREH
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 77%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 77%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against B4GALT2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	B4GALT2
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Target Details

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. Two transcript variants encoding the same protein have been found for this gene.</p> <p>Alias Symbols: B4Gal-T2, B4Gal-T3, beta4Gal-T2</p> <p>Protein Interaction Partner: PFDN6,</p> <p>Protein Size: 372</p>
Molecular Weight:	42 kDa
Gene ID:	8704
NCBI Accession:	NM_001005417 , NP_001005417
UniProt:	O60909
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 372 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Validation report #100008 for Western Blotting (WB)



Western Blotting

Image 1. WB Suggested Anti-B4GALT2

Antibody Titration: 0.2-1 µg/mL

Positive Control: OVCAR-3 cell lysate

B4GALT2 is supported by BioGPS gene expression data to be expressed in OVCAR3

Western Blotting

Image 2. WB Suggested Anti-B4GALT2 Antibody Titration: 0.2-1 ug/ml Positive Control: OVCAR-3 cell lysate B4GALT2 is supported by BioGPS gene expression data to be expressed in OVCAR3