

Datasheet for ABIN2782249
anti-GALNT4 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	GALNT4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Horse, Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GALNT4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human GALNT4
Sequence:	ANLSLFGCHG QGGNQFFEYT SNKEIRFNSV TELCAEVPEQ KNYVGMQNCP
Predicted Reactivity:	Cow: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 93%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against GALNT4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	GALNT4
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Target Details

Alternative Name:	GALNT4 (GALNT4 Products)
Background:	<p>GALNT4 catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. It has a highest activity toward Muc7, EA2 and Muc2, with a lowest activity than GALNT2. This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a luminal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. In vitro, the encoded protein can complement other GalNAc-Ts in the complete O-glycosylation of the mucin-1 tandem repeat and can O-glycosylate the P-selectin glycoprotein ligand-1 Molecule. The coding region of this gene is contained within a single exon.</p> <p>Alias Symbols: GALNAC-T4, GalNAcT4, GALNACT4</p> <p>Protein Interaction Partner: ELAVL1, SELPLG, MUC1,</p> <p>Protein Size: 578</p>
Molecular Weight:	67 kDa
Gene ID:	8693
NCBI Accession:	NM_003774 , NP_003765
UniProt:	Q8N4A0

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 578 AA
Restrictions:	For Research Use only

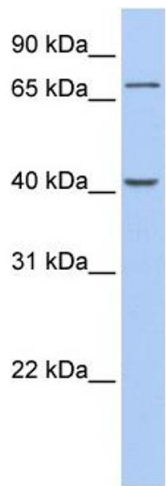
Handling

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

Handling

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.

Images



Western Blotting

Image 1. WB Suggested Anti-GALNT4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: Human brain