

Datasheet for ABIN2782760
anti-GALNT6 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	GALNT6
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Rabbit, Guinea Pig, Horse, Zebrafish (Danio rerio), Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GALNT6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human GALNT6
Sequence:	MNNLRDSMPK LQIRAPEAQQ TLFSINQSCSL PGFYTPAELK PFWERPPQDP
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 85%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 86%, Rat: 93%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against GALNT6. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	GALNT6
---------	--------

Target Details

Alternative Name: GALNT6 ([GALNT6 Products](#))

Background: GALNT6 is 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. GALNT6 is capable of glycosylating fibronectin peptide in vitro and is expressed in a fibroblast cell line, indicating that it may be involved in the synthesis of oncofetal fibronectin. 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. The encoded protein is capable of glycosylating fibronectin peptide in vitro and is expressed in a fibroblast cell line, indicating that it may be involved in the synthesis of oncofetal fibronectin.

Alias Symbols: GALNAC-T6, GalNAcT6

Protein Interaction Partner: TMEM9, SLC5A6, TAF9, ALDOA, FN1,

Protein Size: 622

Molecular Weight: 71 kDa

Gene ID: 11226

NCBI Accession: [NM_007210](#), [NP_009141](#)

UniProt: [Q8NCL4](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

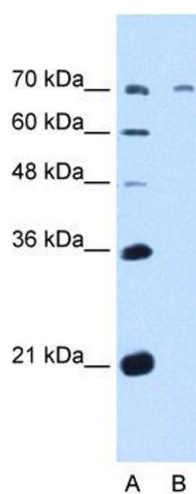
Comment: Antigen size: 622 AA

Restrictions: For Research Use only

Handling

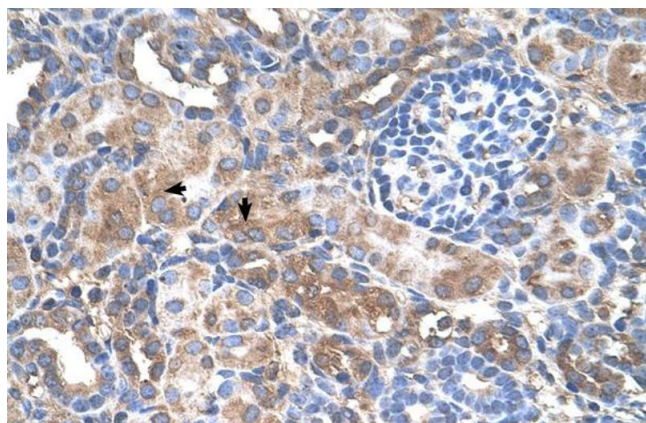
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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-GALNT6 Antibody Titration:
5.0ug/ml Positive Control: HepG2 cell lysate



Immunohistochemistry

Image 2. Human kidney