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Datasheet for ABIN2782875

anti-A4GNT antibody (C-Term)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	A4GNT
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow, Dog, Pig, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This A4GNT 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 A4GNT
Sequence:	NISFLHPQRF YPISYREWRR YYEVWDTEPS FNVSYALHLW NHMNQEGRV
Predicted Reactivity:	Cow: 92%, Dog: 93%, Guinea Pig: 92%, Horse: 79%, Human: 100%, Mouse: 92%, Pig: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against A4GNT. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	A4GNT
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Target Details

Alternative Name: [A4GNT \(A4GNT Products\)](#)

Background: A4GNT is a protein from the glycosyltransferase 32 family. The enzyme catalyzes the transfer of N-acetylglucosamine (GlcNAc) to core 2 branched O-glycans. It forms a unique glycan, GlcNAc α 1 \rightarrow 4Gal β \rightarrow R and is largely associated with the Golgi apparatus membrane. This gene encodes a protein from the glycosyltransferase 32 family. The enzyme catalyzes the transfer of N-acetylglucosamine (GlcNAc) to core 2 branched O-glycans. It forms a unique glycan, GlcNAc α 1 \rightarrow 4Gal β \rightarrow R and is largely associated with the Golgi apparatus membrane. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.

Alias Symbols: MGC149493, alpha4GnT

Protein Size: 340

Molecular Weight: 39 kDa

Gene ID: 51146

NCBI Accession: [NM_016161](#), [NP_057245](#)

UniProt: [Q9UNA3](#)

Application Details

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

Comment: Antigen size: 340 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.

Handling

Storage: -20 °C

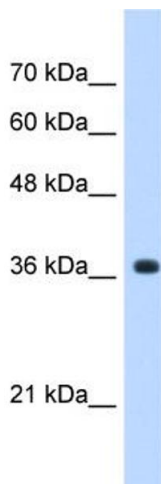
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Sharma, Burdon, Chidlow, Klebe, Crawford, Dimasi, Dave, Martin, Javadiyan, Wood, Casson, Danoy, Griggs, Hewitt, Landers, Mitchell, Mackey, Craig: "Association of genetic variants in the TMC01 gene with clinical parameters related to glaucoma and characterization of the protein in the eye." in: **Investigative ophthalmology & visual science**, Vol. 53, Issue 8, pp. 4917-25, (2012) ([PubMed](#)).

Burdon, Macgregor, Hewitt, Sharma, Chidlow, Mills, Danoy, Casson, Viswanathan, Liu, Landers, Henders, Wood, Souzeau, Crawford, Leo, Wang, Rochtchina, Nyholt, Martin, Montgomery, Mitchell, Brown et al.: "Genome-wide association study identifies susceptibility loci for open angle glaucoma at TMC01 and CDKN2B-AS1. ..." in: **Nature genetics**, Vol. 43, Issue 6, pp. 574-8, (2011) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-A4GNT Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate