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Datasheet for ABIN2781980

anti-MGAT2 antibody (Middle Region)

2 Images

Overview

Quantity:	100 µL
Target:	MGAT2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Horse, Rabbit, Zebrafish (Danio rerio), Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MGAT2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human MGAT2
Sequence:	PKNAALKLGC INAEYPDSFG HYREAKFSQT KHHWWWKLHF VWERVKILRD
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against MGAT2. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	MGAT2
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Target Details

Alternative Name: [MGAT2 \(MGAT2 Products\)](#)

Background: MGAT2 is a Golgi enzyme catalyzing an essential step in the conversion of oligomannose to complex N-glycans. The enzyme has the typical glycosyltransferase domains: a short N-terminal cytoplasmic domain, a hydrophobic non-cleavable signal-anchor domain, and a C-terminal catalytic domain. Mutations in its gene may lead to carbohydrate-deficient glycoprotein syndrome, type II. The product of this gene is a Golgi enzyme catalyzing an essential step in the conversion of oligomannose to complex N-glycans. The enzyme has the typical glycosyltransferase domains: a short N-terminal cytoplasmic domain, a hydrophobic non-cleavable signal-anchor domain, and a C-terminal catalytic domain. Mutations in this gene may lead to carbohydrate-deficient glycoprotein syndrome, type II. Two transcript variants encoding the same protein have been identified for this gene.

Alias Symbols: CDGS2, GLCNACTII, GNT-II, GNT2, CDG2A

Protein Interaction Partner: UBC,

Protein Size: 447

Molecular Weight: 51 kDa

Gene ID: 4247

NCBI Accession: [NM_002408](#), [NP_002399](#)

UniProt: [Q10469](#)

Application Details

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

Comment: Antigen size: 447 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

Handling

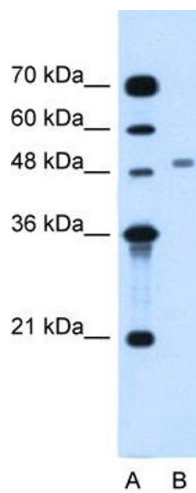
should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

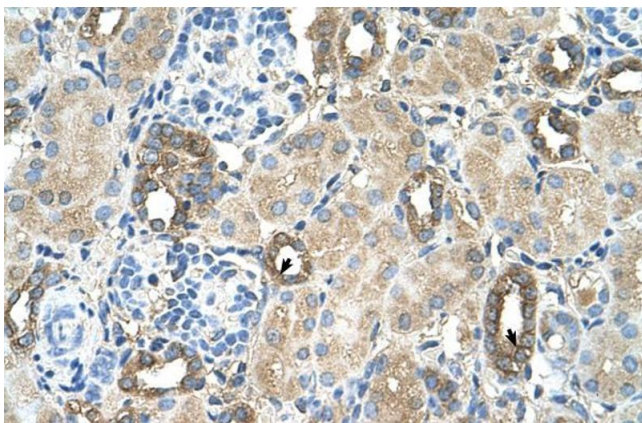
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-MGAT2 Antibody Titration:
1.25ug/ml Positive Control: Jurkat cell lysate



Immunohistochemistry

Image 2. Human kidney