

Datasheet for ABIN2783751
anti-ALG1 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	ALG1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALG1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ALG1
Sequence:	VVLGDVGRSP RMQYHALSLA MHGFSVTLLG FCNSKPHDEL LQNNRIQIVG
Predicted Reactivity:	Cow: 79%, Human: 100%, Mouse: 85%, Rabbit: 79%, Rat: 79%, Yeast: 100%
Characteristics:	This is a rabbit polyclonal antibody against ALG1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ALG1
Alternative Name:	ALG1 (ALG1 Products)

Target Details

Background: ALG1 catalyzes the first mannosylation step in the biosynthesis of lipid-linked oligosaccharides. Defects in ALG1 are the cause of congenital disorder of glycosylation type 1K (CDG1K). The biosynthesis of lipid-linked oligosaccharides is highly conserved among eukaryotes and is catalyzed by 14 glycosyltransferases in an ordered stepwise manner. Mannosyltransferase I (MT I) catalyzes the first mannosylation step in this process.[supplied by OMIM].

PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-421 BM767933.1 1-421 422-1179 AY359073.1 416-1173 1180-1444 CA455103.1 259-523 1445-1939 CD366777.1 17-511 c 1940-2122 BC031095.1 1931-2113 2123-2149 BQ002699.1 1-27 c

Alias Symbols: HMAT1, HMT-1, HMT1, MT-1, CDG1K, Mat-1, hMat-1

Protein Interaction Partner: UBC, FBXO6, BAG3, MMS19,

Protein Size: 464

Molecular Weight: 52 kDa

Gene ID: 56052

NCBI Accession: [NM_019109](#), [NP_061982](#)

UniProt: [Q9BT22](#)

Application Details

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

Comment: Antigen size: 464 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

Handling

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-ALG1 Antibody Titration: 0.2-1 ug/ml Positive Control: NTERA2 cell lysate