

Datasheet for ABIN2783751

anti-ALG1 antibody (N-Term)

1 Image



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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

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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, FBX06, 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.	

-20 °C

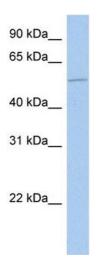
Storage:

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