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ALG8 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ALG8.
Catalog # AT1122a

Product Information

Application	WB, E
Primary Accession	Q9BVK2
Other Accession	NM_024079
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2E11
Calculated MW	60088

Additional Information

Gene ID	79053
Other Names	Probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1, 3-glucosyltransferase, Asparagine-linked glycosylation protein 8 homolog, Dol-P-Glc:Glc(1)Man(9)GlcNAc(2)-PP-dolichyl alpha-1, 3-glucosyltransferase, Dolichyl-P-Glc:Glc1Man9GlcNAc2-PP-dolichyl glucosyltransferase, ALG8
Target/Specificity	ALG8 (NP_076984, 260 a.a. ~ 334 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	ALG8 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

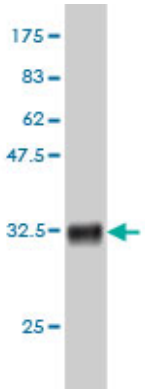
Background

This gene encodes a member of the ALG6/ALG8 glucosyltransferase family. The encoded protein catalyzes the addition of the second glucose residue to the lipid-linked oligosaccharide precursor for N-linked glycosylation of proteins. Mutations in this gene have been associated with congenital disorder of glycosylation type Ih (CDG-Ih). Alternatively spliced transcript variants encoding different isoforms have been identified.

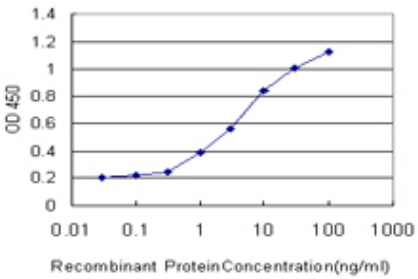
References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Novel ALG8 mutations expand the clinical spectrum of congenital disorder of glycosylation type Ih. St?lting T, et al. Mol Genet Metab, 2009 Nov. PMID 19648040.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.Signal sequence and keyword trap in silico for selection of full-length human cDNAs encoding secretion or membrane proteins from oligo-capped cDNA libraries. Otsuki T, et al. DNA Res, 2005. PMID 16303743.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (33.99 KDa) .



Detection limit for recombinant GST tagged ALG8 is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.