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ALG6 Antibody (monoclonal) (M09)

Mouse monoclonal antibody raised against a partial recombinant ALG6.
Catalog # AT1121a

Product Information

Application	WB, IF
Primary Accession	Q9Y672
Other Accession	NM_013339
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2G11
Calculated MW	58121

Additional Information

Gene ID	29929
Other Names	Dolichyl pyrophosphate Man9GlcNAc2 alpha-1, 3-glucosyltransferase, Asparagine-linked glycosylation protein 6 homolog, Dol-P-Glc:Man(9)GlcNAc(2)-PP-Dol alpha-1, 3-glucosyltransferase, Dolichyl-P-Glc:Man9GlcNAc2-PP-dolichyl glucosyltransferase, ALG6
Target/Specificity	ALG6 (NP_037471, 25 a.a. ~ 114 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
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	ALG6 Antibody (monoclonal) (M09) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

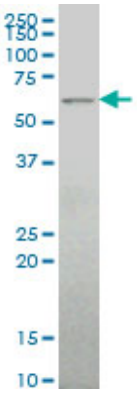
This gene encodes a member of the ALG6/ALG8 glucosyltransferase family. The encoded protein catalyzes the addition of the first glucose residue to the growing lipid-linked oligosaccharide precursor of N-linked glycosylation. Mutations in this gene are associated with congenital disorders of glycosylation type Ic.

References

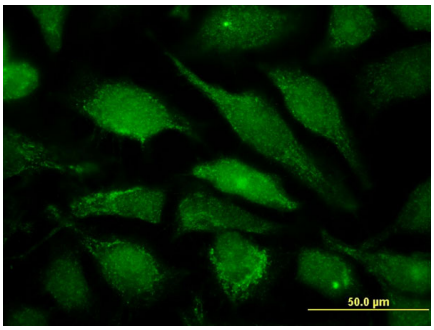
The DNA sequence and biological annotation of human chromosome 1. Gregory SG, et al. Nature, 2006 May

18. PMID 16710414.Congenital disorder of glycosylation Ic due to a de novo deletion and an hALG-6 mutation. Eklund EA, et al. Biochem Biophys Res Commun, 2006 Jan 20. PMID 16321363.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.Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.Identification of a frequent variant in ALG6, the cause of Congenital Disorder of Glycosylation-Ic. Westphal V, et al. Hum Mutat, 2003 Nov. PMID 14517965.

Images



ALG6 monoclonal antibody (M09), clone 2G11 Western Blot analysis of ALG6 expression in Hela S3 NE (Cat # L013V3).



Immunofluorescence of monoclonal antibody to ALG6 on HeLa cell . [antibody concentration 10 ug/ml]