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ALG6 Antibody (monoclonal) (M09)

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

Specification

ALG6 Antibody (monoclonal) (M09) - Product Information

Application	**IF, WB**
Primary Accession	Q9Y672
Other Accession	NM_013339
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**58121**

ALG6 Antibody (monoclonal) (M09) - 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

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.

ALG6 Antibody (monoclonal) (M09) - Protocols

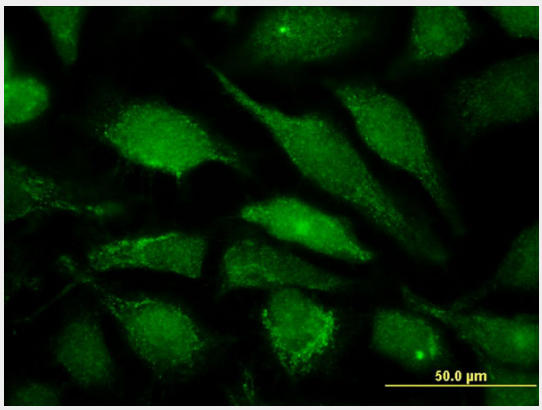
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

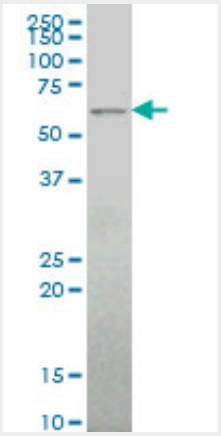
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- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ALG6 Antibody (monoclonal) (M09) - Images



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



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

ALG6 Antibody (monoclonal) (M09) - 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.

ALG6 Antibody (monoclonal) (M09) - 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.