

POMGNT1 Antibody (monoclonal) (M07)**Mouse monoclonal antibody raised against a partial recombinant POMGNT1.****Catalog # AT3382a****Specification**

POMGNT1 Antibody (monoclonal) (M07) - Product Information

Application	WB, IHC
Primary Accession	O8WZA1
Other Accession	NM_017739
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	75252

POMGNT1 Antibody (monoclonal) (M07) - Additional Information**Gene ID** 55624**Other Names**

Protein O-linked-mannose beta-1, 2-N-acetylglucosaminyltransferase 1, POMGnT1, 241-, UDP-GlcNAc:alpha-D-mannoside beta-1, 2-N-acetylglucosaminyltransferase I2, GnT I2, POMGNT1, MGAT12

Target/Specificity

POMGNT1 (NP_060209, 221 a.a. ~ 318 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

POMGNT1 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

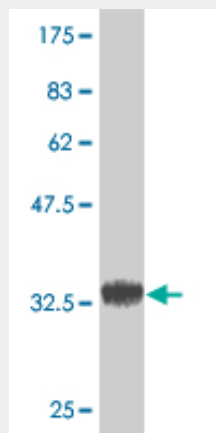
POMGNT1 Antibody (monoclonal) (M07) - Protocols

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

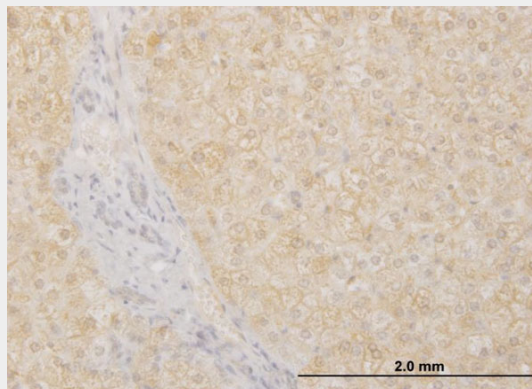
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

POMGNT1 Antibody (monoclonal) (M07) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 kDa) .



Immunoperoxidase of monoclonal antibody to POMGNT1 on formalin-fixed paraffin-embedded human liver. [antibody concentration 3 ug/ml]

POMGNT1 Antibody (monoclonal) (M07) - Background

The protein encoded by this gene is a type II transmembrane protein that resides in the golgi. It participates in O-mannosyl glycosylation, and is specific for alpha linked terminal mannose. Mutations in this gene are associated with muscle-eye-brain (MEB) disease. Alternatively spliced transcript variants have been found for this gene.

POMGNT1 Antibody (monoclonal) (M07) - References

Congenital muscular dystrophies with defective glycosylation of dystroglycan: a population study. Mercuri E, et al. Neurology, 2009 May 26. PMID 19299310. Novel POMGnT1 mutations define broader phenotypic spectrum of muscle-eye-brain disease. Hehr U, et al. Neurogenetics, 2007 Nov. PMID 17906881. Severe muscle-eye-brain disease is associated with a homozygous mutation in the POMGnT1 gene. Teber S, et al. Eur J Paediatr Neurol, 2008 Mar. PMID 17881266. Refining genotype

phenotype correlations in muscular dystrophies with defective glycosylation of dystroglycan. Godfrey C, et al. Brain, 2007 Oct. PMID 17878207. Protein O-mannosyltransferase activities in lymphoblasts from patients with alpha-dystroglycanopathies. Manya H, et al. Neuromuscul Disord, 2008 Jan. PMID 17869517.