

PIGL Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant PIGL.

Catalog # AT3306a

Product Information

Application	E
Primary Accession	Q9Y2B2
Other Accession	NM_004278
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	2B6
Calculated MW	28531

Additional Information

Gene ID	9487
Other Names	N-acetylglucosaminyl-phosphatidylinositol de-N-acetylase, Phosphatidylinositol-glycan biosynthesis class L protein, PIG-L, PIGL
Target/Specificity	PIGL (NP_004269, 153 a.a. ~ 252 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	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	PIGL Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

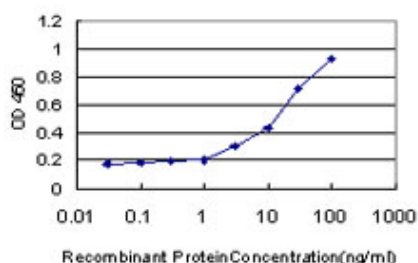
This gene encodes an enzyme that catalyzes the second step of glycosylphosphatidylinositol (GPI) biosynthesis, which is the de-N-acetylation of N-acetylglucosaminylphosphatidylinositol (GlcNAc-PI). Study of a similar rat enzyme suggests that this protein localizes to the endoplasmic reticulum.

References

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. Subcellular localization and targeting of N-acetylglucosaminyl phosphatidylinositol de-N-acetylase, the second enzyme in the

glycosylphosphatidylinositol biosynthetic pathway. Pottekat A, et al. J Biol Chem, 2004 Apr 16. PMID 14742432. Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932. Dissecting and manipulating the pathway for glycosylphosphatidylinositol-anchor biosynthesis. Kinoshita T, et al. Curr Opin Chem Biol, 2000 Dec. PMID 11102867.

Images



Detection limit for recombinant GST tagged PIGL is approximately 1 ng/ml as a capture antibody.

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