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PGAP1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant PGAP1.
Catalog # AT3278a

Product Information

Application	E
Primary Accession	Q75T13
Other Accession	NM_024989
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	5G6
Calculated MW	105383

Additional Information

Gene ID	80055
Other Names	GPI inositol-deacylase, 31--, Post-GPI attachment to proteins factor 1, hPGAP1, PGAP1
Target/Specificity	PGAP1 (NP_079265, 168 a.a. ~ 266 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	PGAP1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

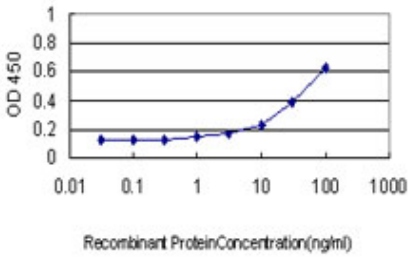
PGAP1 catalyzes the inositol deacylation of glycosylphosphatidylinositol (GPI) at an early step in GPI biosynthesis. Inositol deacylation is essential for the generation of mature GPI capable of attachment to proteins (Tanaka et al., 2004 [PubMed 14734546]).

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.PGAP1 knock-out mice show otocephaly and male infertility. Ueda Y, et al. J Biol Chem, 2007 Oct 19. PMID 17711852.Generation and annotation of the

DNA sequences of human chromosomes 2 and 4. Hillier LW, et al. Nature, 2005 Apr 7. PMID 15815621.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.Inositol deacylation of glycosylphosphatidylinositol-anchored proteins is mediated by mammalian PGAP1 and yeast Bst1p. Tanaka S, et al. J Biol Chem, 2004 Apr 2. PMID 14734546.

Images



Detection limit for recombinant GST tagged PGAP1 is approximately 1ng/ml as a capture antibody.

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