

**PGAP1 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant PGAP1.

Catalog # AT3278a

**Specification**

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**PGAP1 Antibody (monoclonal) (M01) - Product Information**

Application	E
Primary Accession	<a href="#">O75T13</a>
Other Accession	<a href="#">NM_024989</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	105383

**PGAP1 Antibody (monoclonal) (M01) - 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.

**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.

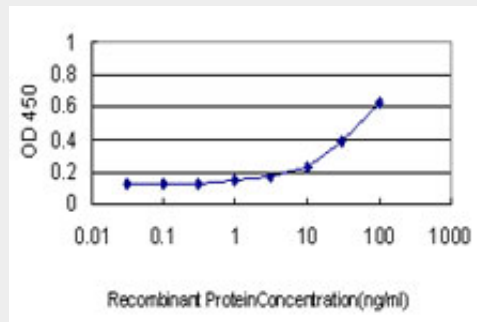
**PGAP1 Antibody (monoclonal) (M01) - Protocols**

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](#)

### **PGAP1 Antibody (monoclonal) (M01) - Images**



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

### **PGAP1 Antibody (monoclonal) (M01) - 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]).

### **PGAP1 Antibody (monoclonal) (M01) - 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.