

**GEM Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant GEM.****Catalog # AT2188a****Specification**

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

Application	WB, E
Primary Accession	<a href="#">P55040</a>
Other Accession	<a href="#">BC022010</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	33949

**GEM Antibody (monoclonal) (M01) - Additional Information****Gene ID** 2669**Other Names**

GTP-binding protein GEM, GTP-binding mitogen-induced T-cell protein, RAS-like protein KIR, GEM, KIR

**Target/Specificity**

GEM (AAH22010, 1 a.a. ~ 100 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**

GEM Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

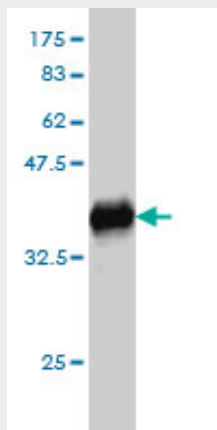
**GEM Antibody (monoclonal) (M01) - Protocols**

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

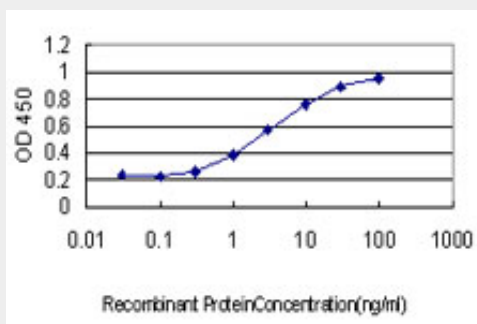
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

### GEM Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 kDa) .



Detection limit for recombinant GST tagged GEM is approximately 0.3ng/ml as a capture antibody.

### GEM Antibody (monoclonal) (M01) - Background

The protein encoded by this gene belongs to the RAD/GEM family of GTP-binding proteins. It is associated with the inner face of the plasma membrane and could play a role as a regulatory protein in receptor-mediated signal transduction. Alternative splicing occurs at this locus and two transcript variants encoding the same protein have been identified.

### GEM Antibody (monoclonal) (M01) - References

A systemic network for Chlamydia pneumoniae entry into human cells. Wang A, et al. J Bacteriol, 2010 Jun. PMID 20233927. An empirical framework for binary interactome mapping. Venkatesan K, et al. Nat Methods, 2009 Jan. PMID 19060904. Biochemical and structural characterization of the gem GTPase. Spingard A, et al. J Biol Chem, 2007 Jan 19. PMID 17107948. Structure-function studies of the G-domain from human gem, a novel small G-protein. Opatowsky Y, et al. FEBS Lett, 2006 Oct 30. PMID 17052716. Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.