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GEM Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant GEM.
Catalog # AT2188a

Specification

GEM Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	P55040
Other Accession	BC022010
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
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
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

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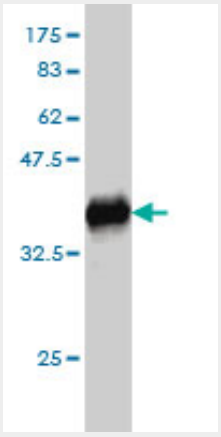
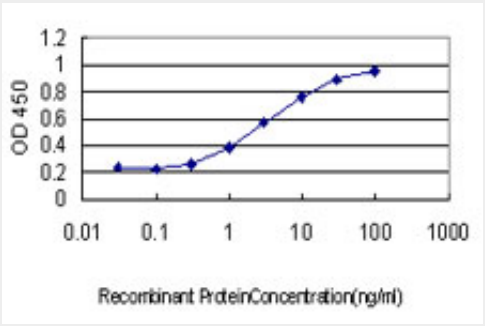
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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. Splingard 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.