

GEM Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant GEM.

Catalog # AT2188a

Product Information

Application	WB, E
Primary Accession	P55040
Other Accession	BC022010
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4B12
Calculated MW	33949

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.

Background

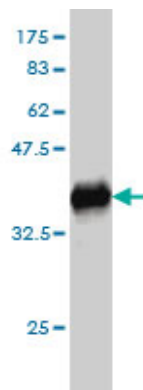
The protein encoded by this gene belongs to the RAD/GEM family of GTP-binding proteins. It is associated with the inner face of the plasma membrane and could play a role as a regulatory protein in receptor-mediated signal transduction. Alternative splicing occurs at this locus and two transcript variants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

References

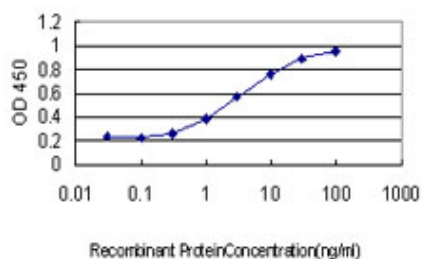
A systemic network for Chlamydia pneumoniae entry into human cells. Wang A, et al. J Bacteriol, 2010 Jun. PMID 20233927. An empirical framework for binary interactome mapping. Venkatesan K, et al. Nat Methods,

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.

Images



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



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

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