

Rabbit anti-Human, Mouse GEM Polyclonal Antibody | anti-GEM antibody

GEM Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323333	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

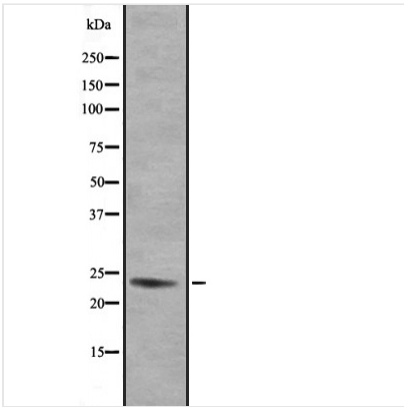
PRODUCT SYNONYMS

GEM; Polyclonal Antibody; GEM Antibody; GTP binding mitogen induced T cell protein; GTP binding protein expressed in mitogen stimulated T cells; GTP binding protein GEM; GTP binding protein overexpressed in skeletal muscle; Kinase inducible Ras like protein; KIR; MGC26294; RAS like protein KIR; anti-GEM antibody

PRODUCT SPECIFICATIONS

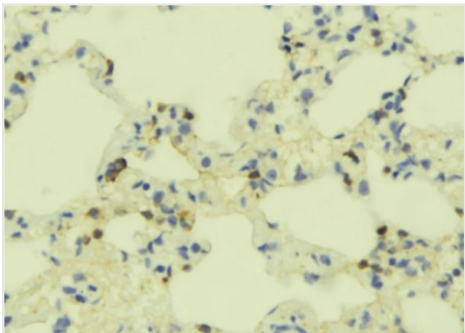
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	GEM antibody detects endogenous levels of total GEM
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	296
Applicable Applications for anti-GEM antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane; Peripheral Membrane Protein; Cytoplasmic Side.
Tissue Specificity	Most abundant in thymus, spleen, kidney, lung, and testis. Less abundant in heart, brain, liver and skeletal muscle.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (91%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated

IMAGES



WB (Western Blot)

Western blot analysis of GEM expression in 293 lysate, The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA323333 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-GEM antibody	Description: Inhibits DNA replication by preventing the incorporation of MCM complex into prereplication complex (pre-RC). It is degraded during the mitotic phase of the cell cycle. Its destruction at the metaphase-anaphase transition permits replication in the succeeding cell cycle. Function: Could be a regulatory protein, possibly participating in receptor-mediated signal transduction at the plasma membrane. Has guanine nucleotide-binding activity but undetectable intrinsic GTPase activity. Subunit Structure: Interacts with calmodulin in a Ca2+-dependent manner. Binds ROCK1. Post-translational Modifications: Phosphorylated on tyrosine residues. Similarity: Belongs to the small GTPase superfamily. RGK family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885263
NCBI GeneID	2669
NCBI Accession #	NP_005252.1
NCBI GenBank Nucleotide #	NM_005261.3
UniProt Accession #	P55040; B2RA31
Molecular Weight	Observed: 23.5 kDa Predicted: 34 kDa
NCBI Official Full Name	GTP-binding protein GEM
NCBI Official Synonym Full Names	GTP binding protein overexpressed in skeletal muscle
NCBI Official Symbol	GEM
NCBI Official Synonym Symbols	KIR
NCBI Protein Information	GTP-binding protein GEM
UniProt Protein Name	GTP-binding protein GEM
UniProt Gene Name	GEM
UniProt Synonym Gene Names	KIR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

