Rabbit RGS1 Polyclonal Antibody | anti-RGS1 antibody

RGS1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325064	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

RGS1; Polyclonal Antibody; RGS1 Antibody; 1R20; B cell activation protein BL34; B-cell activation protein BL34; BL34; Early response protein 1R20; IER 1; IER1; Immediate early response 1 B cell specific; immediate-early response 1; B-cell specific; IR20; Regulator of G protein signalling 1; Regulator of G-protein signaling 1; RGS 1; RGS1_HUMAN; anti-RGS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RGS1 antibody detects endogenous levels of total RGS1
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	209
Applicable Applications for anti-RGS1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytosol; Plasma Membrane
Tissue Specificity	Detected in peripheral blood monocytes (PubMed:10480894). Expression is relatively low in B-cells and chronic lymphocytic leukemia B-cells; however, in other types of malignant B-cell such as non-Hodgkin lymphoma and hairy cell leukemia, expression is constitutively high (PubMed:8473738).
Predicted Cross Reactivity	**Bovine, Horse, Sheep, Rabbit, Dog**
Similarity	Bovine (100%), Horse (92%), Sheep (100%), Rabbit (92%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

WB (Western Blot)
Western blot analysis of extracts from Hela, using RGS1 Antibody. Lane 1 was treated with the antigen-specific peptide.

WB (Western Blot)
Western blot analysis of extracts from mouse muscle cells, using RGS1 antibody.

IHC (Immunohistochemistry)
AAA325064 at 1/100 staining Mouse testis 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-RGS1 antibody	Function: Regulates G protein-coupled receptor signaling cascades, including signaling downstream of the N-formylpeptide chemoattractant receptors and leukotriene receptors (PubMed:10480894). Inhibits B cell chemotaxis toward CXCL12 (By similarity). Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form (PubMed:10480894, PubMed:18434541). Subunit Structure: Interacts with GNAI1 and GNAQ.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115387108
NCBI GeneID	5996
NCBI Accession #	NP_002913.3
NCBI GenBank Nucleotide #	NM_002922.3
UniProt Accession #	Q08116; Q07918; Q9H1W2; B2RDM9; B4DZY0
Molecular Weight	Observed: 22 kD Predicted: 24 kDa
NCBI Official Full Name	regulator of G-protein signaling 1
NCBI Official Synonym Full Names	regulator of G protein signaling 1
NCBI Official Symbol	RGS1
NCBI Official Synonym Symbols	1R20; BL34; IER1; IR20; HEL-S-87
NCBI Protein Information	regulator of G-protein signaling 1
UniProt Protein Name	Regulator of G-protein signaling 1
UniProt Gene Name	**RGS1**
UniProt Synonym Gene Names	1R20; BL34; IER1; RGS1

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.

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