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Rabbit Anti-RGS6 antibody

SL19862R

Product Name:	RGS6
Chinese Name:	G protein signal转导调节因子6抗体
Alias:	FLJ43552; G protein signaling 6 regulator; GAP; GTPase activating protein; MGC142132; Regulator of G protein signaling 6; Regulator of G protein signalling 6; Regulator of G-protein signaling 6; RGS 6; RGS6; RGS6_HUMAN; S914.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	54kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RGS6:401-472/472
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the RGS (regulator of G protein signaling) family of proteins, which are defined by the presence of a RGS domain that confers the GTPase-activating activity of these proteins toward certain G alpha subunits. This protein also belongs to a subfamily of RGS proteins characterized by the presence of DEP and GGL domains, the latter a G beta 5-interacting domain. The RGS proteins negatively regulate

G protein signaling, and may modulate neuronal, cardiovascular, lymphocytic activities, and cancer risk. Many alternatively spliced transcript variants encoding different isoforms with long or short N-terminal domains, complete or incomplete GGL domains, and distinct C-terminal domains, have been described for this gene, however, the full-length nature of some of these variants is not known.[provided by RefSeq, Mar 2011]

Function:
Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Activity on G(o)-alpha is specifically enhanced by the RGS6/Gbeta5 dimer.

Subunit:
Heterodimer with Gbeta5. Interacts with RGS7BP, leading to regulate the subcellular location of the heterodimer formed with Gbeta5 (By similarity).

Subcellular Location:
Cytoplasm. Membrane.

Similarity:
Contains 1 DEP domain.
Contains 1 G protein gamma domain.
Contains 1 RGS domain.

SWISS:
P49758

Gene ID:
9628

Database links:

Entrez Gene: 9628 Human

Entrez Gene: 50779 Mouse

Entrez Gene: 54295 Rat

Omim: 603894 Human

SwissProt: P49758 Human

SwissProt: Q9Z2H2 Mouse

SwissProt: P49801 Rat

Unigene: 509872 Human

	Unigene: 153013 Mouse Unigene: 199537 Rat Unigene: 207298 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.