
Product Name: RGS7 Rabbit Polyclonal Antibody**Catalog #: APRab17101**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
Molecular Weight	65kDa

Antigen Information

Gene Name	RGS7
Alternative Names	RGS7; Regulator of G-protein signaling 7; RGS7
Gene ID	6000.0
SwissProt ID	P49802
Immunogen	The antiserum was produced against synthesized peptide derived from human RGS7. AA range:155-204

Background

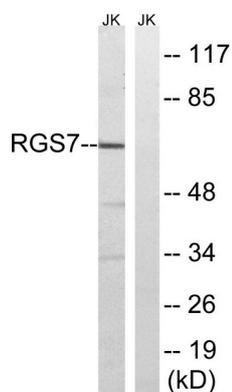
function:Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into

their inactive GDP-bound form. Activity on G(o)-alpha is specifically enhanced by the RGS6/GNG5 dimer. May play a role in synaptic vesicle exocytosis. May play important role in the rapid regulation of neuronal excitability and the cellular responses to short-lived stimulations.,PTM:Palmitoylated.,PTM:Phosphorylation and subsequent interaction with 14-3-3 proteins inhibits GAP activity.,similarity:Contains 1 DEP domain.,similarity:Contains 1 G protein gamma domain.,similarity:Contains 1 RGS domain.,subunit:Heterodimer with GNG5. Interacts with RGS7BP, leading to regulate the subcellular location of the heterodimer formed with Gbeta5 (By similarity). Interacts with 14-3-3 protein Tau and SNAP25BP.,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/GNG5 dimer. May play a role in synaptic vesicle exocytosis. May play important role in the rapid regulation of neuronal excitability and the cellular responses to short-lived stimulations.,PTM:Palmitoylated.,PTM:Phosphorylation and subsequent interaction with 14-3-3 proteins inhibits GAP activity.,similarity:Contains 1 DEP domain.,similarity:Contains 1 G protein gamma domain.,similarity:Contains 1 RGS domain.,subunit:Heterodimer with GNG5. Interacts with RGS7BP, leading to regulate the subcellular location of the heterodimer formed with Gbeta5 (By similarity). Interacts with 14-3-3 protein Tau and SNAP25BP.,

Research Area

Small G Proteins; Regulators; Signal Transduction; Signaling Pathway; G Protein Signaling; GPCR

Image Data



Western blot analysis of lysates from Jurkat cells, using RGS7 Antibody. The lane on the right is blocked with the synthesized peptide.