

Product Name: RGS7 Rabbit Polyclonal Antibody
Catalog #: APRab17101



Summary

Production Name	RGS7 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

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

Application

Dilution Ratio	WB 1:500-2000 ELISA 2000-20000
Molecular Weight	65kD

Background

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

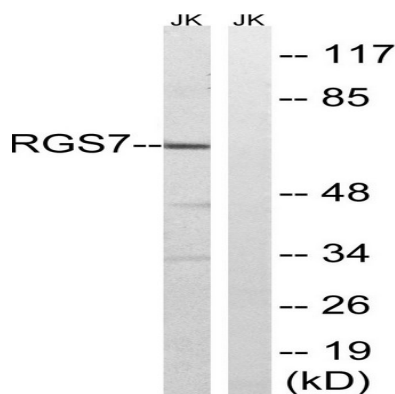
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their inactive GDP-bound form. Activity on G(o)-alpha is specifically enhanced by the RGS6/GNG5 dimer. May play a role in synaptic vesicle exocytosis. May play important role in the rapid regulation of neuronal excitability and the cellular responses 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

Image Data



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

Note

For research use only.