

RGS7 rabbit pAb antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A20776	Rabbit	1 mg/ml	57668

Applications	WB,ELISA
Reactivity	Human,Mouse,Rat
Dilution	WB: 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Storage	-20°C/1 year
Specificity	RGS7 Polyclonal Antibody detects endogenous levels of RGS7 protein.
Source / Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Immunogen	The antiserum was produced against synthesized peptide derived from human RGS7. AA range:155-204
Uniprot No	P49802
Alternative names	RGS7; Regulator of G-protein signaling 7; RGS7
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Clonality	Polyclonal
Isotype	IgG
Conjugation	
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.,
Other	RGS7, Regulator of G-protein signaling 7

Product Images:

Application Key:

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry CHIP-Chromatin Immunoprecipitation
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

Species Cross-Reactivity Key:

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All
Species Expected

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