

RGS8 Rabbit pAb

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Catalog # AP57693

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P57771
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20917
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RGS8
Epitope Specificity	1-100/180
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene is a member of the regulator of G protein signaling (RGS) family and encodes a protein with a single RGS domain. Regulator of G protein signaling (RGS) proteins are regulatory and structural components of G protein-coupled receptor complexes. They accelerate transit through the cycle of GTP binding and hydrolysis to GDP, thereby terminating signal transduction, but paradoxically, also accelerate receptor-stimulated activation. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	85397
Other Names	Regulator of G-protein signaling 8, RGS8, RGS8
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	RGS8
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Function	Regulates G protein-coupled receptor signaling cascades, including signaling via muscarinic acetylcholine receptor CHRM2 and dopamine receptor DRD2 (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: 18434541). Modulates the activity of potassium channels that are activated in response to DRD2 and CHRM2 signaling (By similarity).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P49804}; Peripheral membrane protein {ECO:0000250 UniProtKB:P49804}; Cytoplasmic side {ECO:0000250 UniProtKB:P49804}. Membrane {ECO:0000250 UniProtKB:P49804}; Peripheral membrane protein {ECO:0000250 UniProtKB:P49804}; Cytoplasmic side {ECO:0000250 UniProtKB:P49804}. Perikaryon {ECO:0000250 UniProtKB:P49804}. Cell projection, dendrite {ECO:0000250 UniProtKB:P49804}. Nucleus {ECO:0000250 UniProtKB:P49804} Note=Detected in Purkinje cell soma and dendrites. Associated with Purkinje cell membranes. Not detected in Purkinje cell nuclei. Detected in the nucleus after heterologous expression. Recruited to the cell membrane in the presence of GNAO1. {ECO:0000250 UniProtKB:P49804}

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.