

RGS18 Rabbit pAb

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Catalog # AP57690

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9NS28
Predicted	Rat, Pig, Dog, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27582
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RGS18
Epitope Specificity	1-100/255
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 encodes a member of the regulator of G-protein signaling family. This protein contains a conserved, 120 amino acid motif called the RGS domain. The protein attenuates the signaling activity of G-proteins by binding to activated, GTP-bound G alpha subunits and acting as a GTPase activating protein (GAP), increasing the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	64407
Other Names	Regulator of G-protein signaling 18, RGS18, RGS18, RGS13
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
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	RGS18
Synonyms	RGS13
Function	Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to G(i) alpha-1, G(i) alpha-2, G(i) alpha-3 and G(q) alpha.
Cellular Location	Cytoplasm.
Tissue Location	Expressed in peripheral leukocytes, bone marrow, platelet, spleen and fetal liver.

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