



Rabbit Anti-RGS18 antibody

SL19858R

Product Name:	RGS18
Chinese Name:	G protein signal转导调节因子18抗体
Alias:	Regulator of G protein signalling 13; Regulator of G Protein Signalling 18; Regulator of G-protein signaling 18; RGS 18; RGS13; RGS18; RGS18_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	28kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RGS18:1-100/255
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the regulator of G-protein signaling family. This protein is 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]

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.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Expressed in peripheral leukocytes, bone marrow, platelet, spleen and fetal liver.

Similarity:

Contains 1 RGS domain.

SWISS:

Q9NS28

Gene ID:

64407

Database links:

[Entrez Gene: 64407](#) Human

[Entrez Gene: 64214](#) Mouse

[Entrez Gene: 289076](#) Rat

[Omim: 607192](#) Human

[SwissProt: Q9NS28](#) Human

[SwissProt: Q99PG4](#) Mouse

[SwissProt: Q4L0E8](#) Rat

[Unigene: 440890](#) Human

[Unigene: 253927](#) Mouse

[Unigene: 202353](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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