



Rabbit Anti-phospho-RGS16 (Tyr168) antibody

SL19856R

Product Name:	phospho-RGS16 (Tyr168)
Chinese Name:	磷酸化G protein signal转导调节因子16抗体
Alias:	RGS16 (phospho Y168); p-RGS16 (phospho Y168); A28 RGS14; A28 RGS14P; A28-RGS14P; HGNC:9997; hRGS-r; OTTHUMP00000033147; Regulator of G protein signaling 16; Regulator of G protein signalling 16; Regulator of G-protein signaling 16; Retinal-specific RGS; Retinally abundant regulator of G protein signaling; Retinally abundant regulator of G-protein signaling; RGS 16; RGS R; RGS-R; Rgs14; RGS16; RGS16 HUMAN; RGSR.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,
Applications:	ELISA=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:	23kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human RGS16 around the phosphorylation site of Tyr168:DS(p-Y)PR
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

The protein encoded by this gene belongs to the 'regulator of G protein signaling' family. It inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits. It also may play a role in regulating the kinetics of signaling in the phototransduction cascade. [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 and G(o)-alpha, but not to G(s)-alpha. May play a role in regulating the kinetics of signaling in the phototransduction cascade.

Tissue Specificity:

Abundantly expressed in retina with lower levels of expression in most other tissues.

Post-translational modifications:

Palmitoylated on Cys-2 and/or Cys-12.

Phosphorylation on Tyr-168 upon EGFR stimulation. Enhanced GTPase accelerating (GAP) activity on G(i)-alpha.

Similarity:

Contains 1 RGS domain.

SWISS:

O15492

Gene ID:

6004

Database links:

[Entrez Gene: 6004](#) Human

[Entrez Gene: 19734](#) Mouse

[Omim: 602514](#) Human

[SwissProt: O15492](#) Human

[SwissProt: P97428](#) Mouse

[Unigene: 413297](#) Human

[Unigene: 181709](#) Mouse

Important Note:

Product Detail:

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