



Rabbit Anti-phospho-RACGAP1 (Ser387) antibody

SL7767R

Product Name:	phospho-RACGAP1 (Ser387)
Chinese Name:	磷酸化Rho GTP酶激活蛋白GAP抗体
Alias:	RACGAP1 (phospho S387); p-RACGAP1(S387); p-RACGAP1(Ser387); GAP; Gap1; GTPase activating protein; HsCYK 4; HsCYK4; ID GAP; KIAA1478; MgcRacGAP; Rac GTPase activating protein 1; RACGAP 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	71kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human RACGAP1 around the phosphorylation site of Ser387:RI(p-S)GC
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:	Rho GTPases control a variety of cellular processes. There are 3 subtypes of Rho GTPases in the Ras superfamily of small G proteins: RHO, RAC and CDC42. GTPase-

activating proteins (GAPs) bind activated forms of Rho GTPases and stimulate GTP hydrolysis. Through this catalytic function, Rho GAPs negatively regulate Rho-mediated signals. GAPs may also serve as effector molecules and play a role in signaling downstream of Rho and other Ras-like GTPases.

Subunit:

Heterotetramer of two molecules each of RACGAP1 and KIF23.

Subcellular Location:

Nucleus. Cytoplasm. Cytoplasm, cytoskeleton, spindle.

Tissue Specificity:

Highly expressed in testis, thymus and placenta. Expressed at lower levels in spleen and peripheral blood lymphocytes. In testis, expression is restricted to germ cells with the highest levels of expression found in spermatocytes. Expression is regulated in a cell cycle-dependent manner and peaks during G2/M phase.

Similarity:

Contains 1 phorbol-ester/DAG-type zinc finger. Contains 1 Rho-GAP domain.

SWISS:

Q9H0H5

Gene ID:

29127

Important Note:

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