



Rabbit Anti-phospho-RASGRP3 (Thr133) antibody

SL19737R

Product Name:	phospho-RASGRP3 (Thr133)
Chinese Name:	磷酸化Ras蛋白特异鸟嘌呤核苷酸释放因子3抗体
Alias:	RASGRP3 (phospho T133); p-RASGRP3 (phospho T133); Calcium and DAG-regulated guanine nucleotide exchange factor III; Grp3; GRP3_HUMAN; Guanine nucleotide exchange factor for Rap1; Kiaa0846; RAS guanyl releasing protein 3 (calcium and DAG regulated); RAS guanyl releasing protein 3 calcium and DAG regulated guanine nucleotide exchange factor iii; Ras guanyl-releasing protein 3; RASGRP3
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,
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:	78kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human RASGRP3 around the phosphorylation site of Thr133:RV(p-T)QR
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

Members of the RAS (see HRAS; MIM 190020) subfamily of GTPases function in signal transduction as GTP/GDP-regulated switches that cycle between inactive GDP- and active GTP-bound states. Guanine nucleotide exchange factors (GEFs), such as RASGRP3, serve as RAS activators by promoting acquisition of GTP to maintain the active GTP-bound state and are the key link between cell surface receptors and RAS activation (Rebhun et al., 2000 [PubMed 10934204]).[supplied by OMIM, Mar 2008]

Function:

Guanine nucleotide exchange factor (GEF) for Ras and Rap1.

Similarity:

Belongs to the RASGRP family.

Contains 2 EF-hand domains.

Contains 1 N-terminal Ras-GEF domain.

Contains 1 phorbol-ester/DAG-type zinc finger.

Contains 1 Ras-GEF domain.

SWISS:

Q8IV61

Gene ID:

25780

Database links:

[Entrez Gene: 25780](#) Human

[Entrez Gene: 240168](#) Mouse

[Omim: 609531](#) Human

[SwissProt: Q8IV61](#) Human

[Unigene: 143674](#) Human

[Unigene: 329203](#) Mouse

Important Note:

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

Product Detail: