

Rabbit Anti-RASGRP3/AP Conjugated antibody

SL19736R-AP

Product Name	Anti-RASGRP3/AP
Chinese Name	碱性磷酸酶（AP）标记的 Ras 蛋白特异鸟嘌呤核苷酸释放因子 3 抗体
Alias	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.
Research Area	Cell biology Signal transduction G protein-coupled receptor G protein signal
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse(predicted:Human,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Applications	IHC-P=1:100-500,IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	78kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human RASGRP3
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: 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.

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.