10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RASGRP3 Rabbit pAb

Catalog # AP97405

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8IV61
Other Accession	Q8IV61
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78332
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RASGRP3
Epitope Specificity	601-690/690
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	25780
Other Names	GRP3; Gm327; GRP3_HUMAN; RASGRP3; Calcium and DAG-regulated guanine nucleotide exchange factor III; Guanine nucleotide exchange factor for Rap1; KIAA0846; RAS guanyl releasing protein 3; RAS guanyl releasing protein 3 (calcium and DAG-regulated); calcium- and diacylglycerol-regulated guanine nucleotide exchange factor III
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	RASGRP3
Synonyms	GRP3, KIAA0846
Function	Guanine nucleotide exchange factor (GEF) for Ras and Rap1.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.