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phospho-RASGRP3 (Thr133) Rabbit pAb

Catalog # AP97406

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q8IV61
Other Accession	Q8IV61
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78332
Physical State	Liquid
Immunogen	KLH conjugated synthesised phosphopeptide derived from human RASGRP3 around the phosphorylation site of Thr133
Epitope Specificity	RV(p-T)QR
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; RASGRP3 (phospho-T133); p-RASGRP3; phospho-RASGRP3; RASGRP3 (phospho-Thr133)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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'.