

Datasheet for ABIN7167164
anti-RASGRP1 antibody (AA 594-716) (Biotin)



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Overview

Quantity:	100 µg
Target:	RASGRP1
Binding Specificity:	AA 594-716
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RASGRP1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human RAS guanyl-releasing protein 1 protein (594-716AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	RASGRP1
Alternative Name:	RASGRP1 (RASGRP1 Products)
Background:	Background: Functions as a calcium- and diacylglycerol (DAG)-regulated nucleotide exchange factor specifically activating Ras through the exchange of bound GDP for GTP

Target Details

(PubMed:15899849, PubMed:23908768). Activates the Erk/MAP kinase cascade (PubMed:15899849). Regulates T-cell/B-cell development, homeostasis and differentiation by coupling T-lymphocyte/B-lymphocyte antigen receptors to Ras (PubMed:10807788, PubMed:12839994). Regulates NK cell cytotoxicity and ITAM-dependent cytokine production by activation of Ras-mediated ERK and JNK pathways (PubMed:19933860). Functions in mast cell degranulation and cytokine secretion, regulating FcERI-evoked allergic responses (By similarity). May also function in differentiation of other cell types (PubMed:12845332).
Aliases: RASGRP1 antibody, RASGRPRAS guanyl-releasing protein 1 antibody, Calcium and DAG-regulated guanine nucleotide exchange factor II antibody, CalDAG-GEFII antibody, Ras guanyl-releasing protein antibody

UniProt: [O95267](#)

Pathways: [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.