

## RASGRP1 Rabbit mAb

Catalog No: #52683

Package Size: #52683-1 50ul #52683-2 100ul

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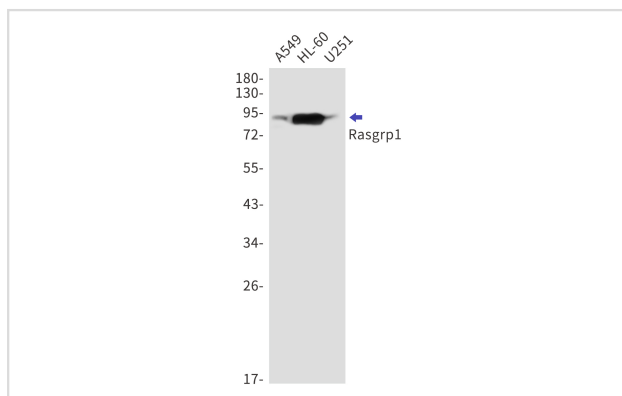
## Description

Product Name	RASGRP1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S02-2G4
Isotype	IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse
Immunogen Description	A synthetic peptide of human Rasgrp1
Conjugates	Unconjugated
Modification	Unmodification
Other Names	V; RASGRP; hRasGRP1; CALDAG-GEFI; CALDAG-GEFII
Accession No.	Swiss-Prot:O95267GeneID:10125
Uniprot	O95267
GeneID	10125
Calculated MW	Calculated MW:90 kDa,Observed MW:90 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Application Details

WB: 1/1000

## Images



Western blot detection of Rasgrp1 in A549,HL-60,U251 cell lysates using Rasgrp1 Rabbit mAb(1:1000 diluted).Predicted band size:90kDa.Observed band size:90kDa.

## Background

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Functions as a calcium- and diacylglycerol (DAG)-regulated nucleotide exchange factor specifically activating Ras through the exchange of bound GDP for GTP (PubMed:15899849, PubMed:23908768, PubMed:27776107, PubMed:29155103). 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, PubMed:27776107, PubMed:29155103). 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. May also function in differentiation of other cell types (PubMed:12845332).

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Note: This product is for in vitro research use only