

# RASGRP1 rabbit monoclonal antibody

Catalog # H00010125-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human RASGRP1 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human RASGRP1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human RASGRP1 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — RASGRP1

Entrez GeneID	<a href="#">10125</a>
GeneBank Accession#	<a href="#">RASGRP1</a>
Gene Name	RASGRP1
Gene Alias	CALDAG-GEFI, CALDAG-GEFII, MGC129998, MGC129999, RASGRP, V, hRasGRP1
Gene Description	RAS guanyl releasing protein 1 (calcium and DAG-regulated)
Omim ID	<a href="#">603962</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene is a member of a family of genes characterized by the presence of a Ras superfamily guanine nucleotide exchange factor (GEF) domain. It functions as a diacylglycerol (DAG)-regulated nucleotide exchange factor specifically activating Ras through the exchange of bound GDP for GTP. It activates the Erk/MAP kinase cascade and regulates T-cells and B-cells development, homeostasis and differentiation. Alternatively spliced transcript variants encoding different isoforms have been identified. Altered expression of the different isoforms of this protein may be a cause of susceptibility to systemic lupus erythematosus (SLE). [provided by RefSeq]
Other Designations	RAS guanyl nucleotide-releasing protein 1 RAS guanyl releasing protein 1 calcium and DAG-regulated guanine nucleotide exchange factor II guanine nucleotide exchange factor, calcium- and DAG-regulated, Rap1A ras activator RasGRP

## Pathway

- [MAPK signaling pathway](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Diabetes Mellitus](#)

- [Drug-Induced Liver Injury](#)
- [Genetic Predisposition to Disease](#)
- [NARP](#)