RASGRP3 rabbit monoclonal antibody

Catalog # H00025780-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human RASGRP3 peptide using ARM Technology.
Immunogen	A synthetic peptide of human RASGRP3 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human RASGRP3 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — RASGRP3

Entrez GeneID	25780
GeneBank Accession#	RASGRP3
Gene Name	RASGRP3
Gene Alias	GRP3, KIAA0846
Gene Description	RAS guanyl releasing protein 3 (calcium and DAG-regulated)
Omim ID	609531
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	guanine nucleotide exchange factor for Rap1

Pathway

- B cell receptor signaling pathway
- MAPK signaling pathway

Disease

- Genetic Predisposition to Disease
- Hypertension
- Lupus Erythematosus
- Lupus Nephritis
- Tobacco Use Disorder