

RASA1 rabbit monoclonal antibody

Catalog # H00005921-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human RASA1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human RASA1 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 RASA1 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 including 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 — RASA1

Entrez GeneID	5921
GeneBank Accession#	RASA1
Gene Name	RASA1
Gene Alias	CM-AVM, CMAVM, DKFZp434N071, GAP, PKWS, RASA, RASGAP, p120GAP, p120RASGA P
Gene Description	RAS p21 protein activator (GTPase activating protein) 1
Omim ID	139150 608354 608355
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is located in the cytoplasm and is part of the GAP1 family of GTPase-activating proteins. The gene product stimulates the GTPase activity of normal RAS p21 but not its oncogenic counterpart. Acting as a suppressor of RAS function, the protein enhances the weak intrinsic GTPase activity of RAS proteins resulting in the inactive GDP-bound form of RAS, thereby allowing control of cellular proliferation and differentiation. Mutations leading to changes in the binding sites of either protein are associated with basal cell carcinomas. Alternative splicing results in two isoforms where the shorter isoform, lacking the N-terminal hydrophobic region but retaining the same activity, appears to be abundantly expressed in placental but not adult tissues. [provided by RefSeq]
Other Designations	GTPase activating protein RAS p21 protein activator 1 triphosphatase-activating protein

Pathway

- [Axon guidance](#)
- [MAPK signaling pathway](#)

Disease

- [Adenoma](#)
- [Carcinoma](#)
- [Chromosome Aberrations](#)

- [Hypertension](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Nasopharyngeal Neoplasms](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Recurrence](#)
- [Thyroid Neoplasms](#)