

ARHGEF1 rabbit monoclonal antibody

Catalog # H00009138-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ARHGEF1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ARHGEF1 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 ARHGEF1 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 — ARHGEF1

Entrez GeneID	9138
GeneBank Accession#	ARHGEF1
Gene Name	ARHGEF1
Gene Alias	GEF1, LBCL2, LSC, P115-RHOGEF, SUB1.5
Gene Description	Rho guanine nucleotide exchange factor (GEF) 1
Omim ID	601855
Gene Ontology	Hyperlink
Gene Summary	Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein may form complex with G proteins and stimulate Rho-dependent signals. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been defined. [provided by RefSeq]
Other Designations	115-kD protein Lsc homolog Rho guanine nucleotide exchange factor 1

Pathway

- [Regulation of actin cytoskeleton](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Angina Pectoris](#)
- [Cardiovascular Diseases](#)
- [Coronary Vasospasm](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)