

# ARHGEF1 monoclonal antibody (M01), clone 1H4

Catalog # H00009138-M01 Size 100 ug

# Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ARHGEF1 is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.41 KDa).

Specification	
Product Description	Mouse monoclonal antibody raised against a partial recombinant ARHGEF1.
Immunogen	ARHGEF1 (AAH34013.2, 830 a.a. ~ 927 a.a) partial recombinant protein with GST tag. MW of the G ST tag alone is 26 KDa.
Sequence	CRPGPEGQLAATALRKVLSLKQLLFPAEEDNGAGPPRDGDGVPGGGPLSPARTQEIQENLLSLE ETMKQLEELEEEFCRLRPLLSQLGGNSVPQPGCT
Host	Mouse
Reactivity	Human



### **Product Information**

Interspecies Antigen Sequence	Mouse (88); Rat (89)
Isotype	lgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.41 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# Applications

- Western Blot (Recombinant protein)
  <u>Protocol Download</u>
- Sandwich ELISA (Recombinant protein)
  Detection limit for recombinant GST tagged ARHGEF1 is approximately 3ng/ml as a capture antibody.
  <u>Protocol Download</u>
- ELISA

# Gene Info — ARHGEF1

Entrez GenelD	<u>9138</u>
GeneBank Accession#	<u>BC034013</u>
Protein Accession#	AAH34013.2
Gene Name	ARHGEF1
Gene Alias	GEF1, LBCL2, LSC, P115-RHOGEF, SUB1.5
Gene Description	Rho guanine nucleotide exchange factor (GEF) 1
Omim ID	<u>601855</u>
Gene Ontology	Hyperlink



### **Product Information**

**Gene Summary** 

Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extrace llular stimuli that work through G protein coupled receptors. The encoded protein may form compl ex with G proteins and stimulate Rho-dependent signals. Multiple alternatively spliced transcript v ariants 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

- <u>Regulation of actin cytoskeleton</u>
- Vascular smooth muscle contraction

#### Disease

- Angina Pectoris
- <u>Cardiovascular Diseases</u>
- <u>Coronary Vasospasm</u>
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease