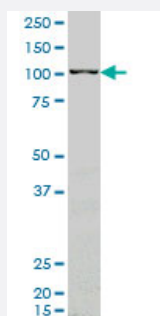


ARHGEF1 monoclonal antibody (M03), clone 4C4

Catalog # H00009138-M03

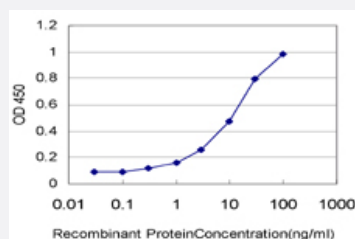
Size 100 ug

Applications



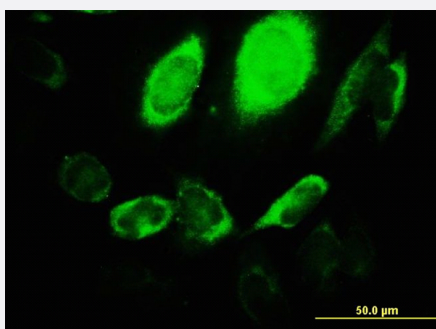
Western Blot (Cell lysate)

ARHGEF1 monoclonal antibody (M03), clone 4C4 Western Blot analysis of ARHGEF1 expression in K-562 (Cat # L009V1).



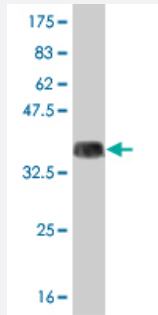
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ARHGEF1 is approximately 0.3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to ARHGEF1 on HeLa cell. [antibody concentration 10 ug/ml]



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 GST tag alone is 26 KDa.
Sequence	CRPGPEGQLAATALRKVLSLKQLLFPAEEDNGAGPPRDGDGVPGGGPLSPARTQEIQENLLSLE ETMKQLEEELEEEFCRLRPLLSQLGGNSVPQPGCT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88); Rat (89)
Isotype	IgG2a 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 (Cell lysate)

ARHGEF1 monoclonal antibody (M03), clone 4C4 Western Blot analysis of ARHGEF1 expression in K-562 (Cat # L009V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ARHGEF1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to ARHGEF1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — ARHGEF1

Entrez GeneID [9138](#)

GeneBank Accession# [BC034013](#)

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 [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

Publication Reference

- [Loss of Isc/p115-protein leads to neuronal hypoplasia in the esophagus and an achalasia-like phenotype in mice.](#)

Zizer E, Beilke S, Bauerle T, Schilling K, Mohnle U, Adler G, Fischer KD, Wagner M.

Gastroenterology 2010 Oct; 139(4):1344.

Application: IF, IHC-P, Mouse, Mouse esophagus

Pathway

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

Disease

- [Angina Pectoris](#)
- [Cardiovascular Diseases](#)
- [Coronary Vasospasm](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)