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ARHGEF1 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant ARHGEF1.
Catalog # AT1185a

Specification

ARHGEF1 Antibody (monoclonal) (M03) - Product Information

Application	**IF, WB, E**
Primary Accession	Q92888
Other Accession	BC034013
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**102435**

ARHGEF1 Antibody (monoclonal) (M03) - Additional Information

Gene ID 9138

Other Names
Rho guanine nucleotide exchange factor 1, 115 kDa guanine nucleotide exchange factor, p115-RhoGEF, p115RhoGEF, Sub15, ARHGEF1

Target/Specificity
ARHGEF1 (AAH34013.2, 830 a.a. ~ 927 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
ARHGEF1 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

ARHGEF1 Antibody (monoclonal) (M03) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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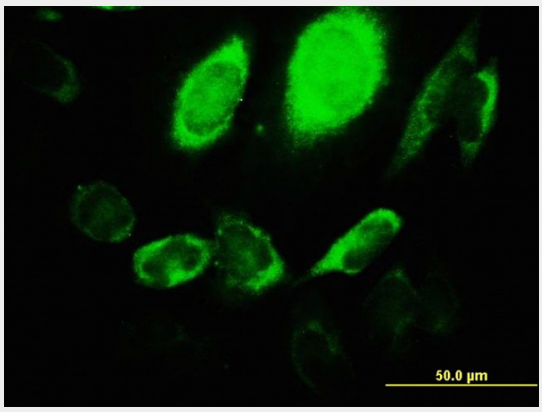
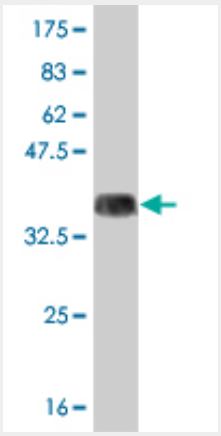
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

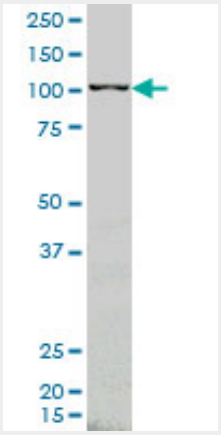
ARHGEF1 Antibody (monoclonal) (M03) - Images



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



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.41 KDa) .



ARHGEF1 monoclonal antibody (M03), clone 4C4 Western Blot analysis of ARHGEF1 expression in

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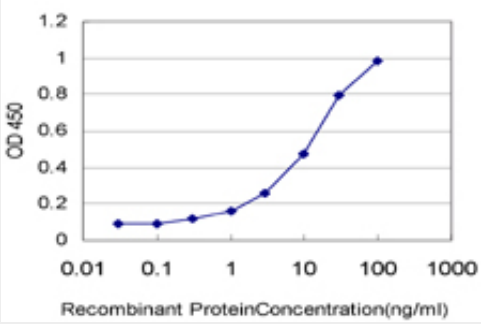

Detection limit for recombinant GST tagged ARHGEF1 is approximately 0.3ng/ml as a capture antibody.

ARHGEF1 Antibody (monoclonal) (M03) - Background

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.

ARHGEF1 Antibody (monoclonal) (M03) - References

1.Loss of lsc/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 Jun 20. [Epub ahead of print]