

**ARHGAP4 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant ARHGAP4.****Catalog # AT1179a****Specification**

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**ARHGAP4 Antibody (monoclonal) (M01) - Product Information**

Application	WB
Primary Accession	<a href="#">P98171</a>
Other Accession	<a href="#">BC052303</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	105026

**ARHGAP4 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 393**Other Names**

Rho GTPase-activating protein 4, Rho-GAP hematopoietic protein C1, Rho-type GTPase-activating protein 4, p115, ARHGAP4, KIAA0131, RGC1, RHOGAP4

**Target/Specificity**

ARHGAP4 (AAH52303, 881 a.a. ~ 986 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**

ARHGAP4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

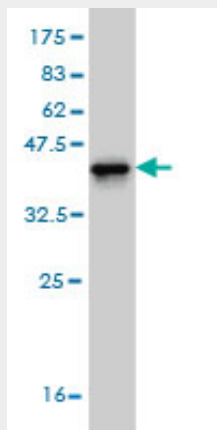
**ARHGAP4 Antibody (monoclonal) (M01) - Protocols**

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

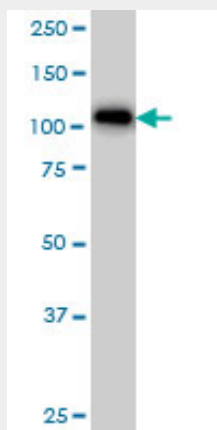
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### ARHGAP4 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.29 kDa) .



ARHGAP4 monoclonal antibody (M01), clone 3F7 Western Blot analysis of ARHGAP4 expression in K-562 (Cat # AT1179a)

#### ARHGAP4 Antibody (monoclonal) (M01) - Background

This gene encodes a member of the rhoGAP family of proteins which play a role in the regulation of small GTP-binding proteins belonging to the RAS superfamily. The protein encoded by the orthologous gene in rat is localized to the Golgi complex and can redistribute to microtubules. The rat protein stimulates the activity of some Rho GTPases in vitro. Genomic deletions of this gene and a neighboring gene have been found in patients with nephrogenic diabetes insipidus. Multiple transcript variants encoding different isoforms have been found for this gene.

#### ARHGAP4 Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. New genetic associations detected in a host

response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496. Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121. Immunological profile in a family with nephrogenic diabetes insipidus with a novel 11 kb deletion in AVPR2 and ARHGAP4 genes. Fujimoto M, et al. BMC Med Genet, 2008 May 20. PMID 18489790. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.