

ARHGEF5 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant ARHGEF5.****Catalog # AT1187a****Specification**

ARHGEF5 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q12774
Other Accession	BC014555
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	176799

ARHGEF5 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 7984**Other Names**

Rho guanine nucleotide exchange factor 5, Ephexin-3, Guanine nucleotide regulatory protein TIM, Oncogene TIM, Transforming immortalized mammary oncogene, p60 TIM, ARHGEF5, TIM

Target/Specificity

ARHGEF5 (AAH14555, 1 a.a. ~ 519 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

E~~N/A

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

ARHGEF5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

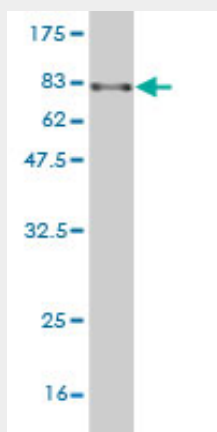
ARHGEF5 Antibody (monoclonal) (M01) - Protocols

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

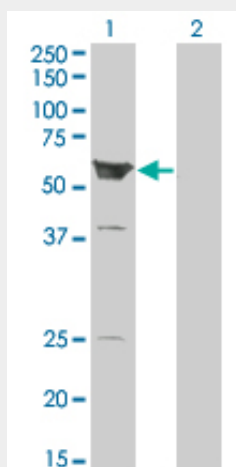
- [Western Blot](#)
- [Blocking Peptides](#)

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

ARHGEF5 Antibody (monoclonal) (M01) - Images



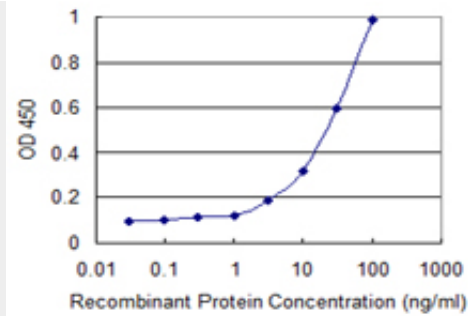
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (82.83 KDa) .



Western Blot analysis of ARHGEF5 expression in transfected 293T cell line by ARHGEF5 monoclonal antibody (M01), clone 3A12-B5.

Lane 1: ARHGEF5 transfected lysate (60.1 KDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged ARHGEF5 is 1 ng/ml as a capture antibody.

ARHGEF5 Antibody (monoclonal) (M01) - Background

Rho GTPases play a fundamental role in numerous cellular processes initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein may form a complex with G proteins and stimulate Rho-dependent signals. This protein may be involved in the control of cytoskeletal organization.

ARHGEF5 Antibody (monoclonal) (M01) - References

1. Identification of gains on 1q and epidermal growth factor receptor overexpression as independent prognostic markers in intracranial ependymoma. Mendrzyk F, Korshunov A, Benner A, Toedt G, Pfister S, Radlwimmer B, Lichter P. Clin Cancer Res. 2006 Apr 1;12(7 Pt 1):2070-9.