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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

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

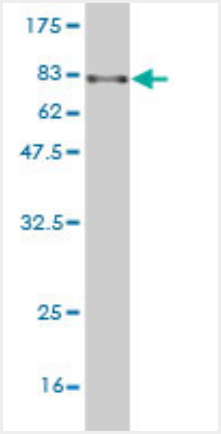
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

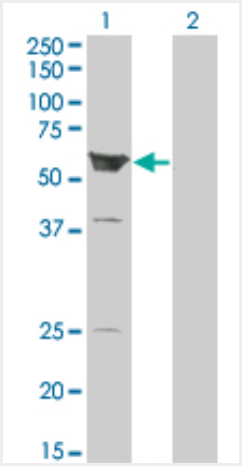
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ARHGEF5 Antibody (monoclonal) (M01) - Images



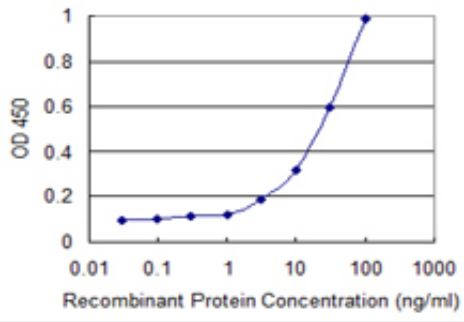
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (82.83 KDa) .



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.

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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.