

Mouse ARHGDI Monoclonal Antibody | anti-ARHGDI antibody

ARHGDI antibody

CATALOG #	HOST	APPLICATIONS
AAA74888	Mouse	Western Blot, Immunohistochemistry, Immunofluorescence

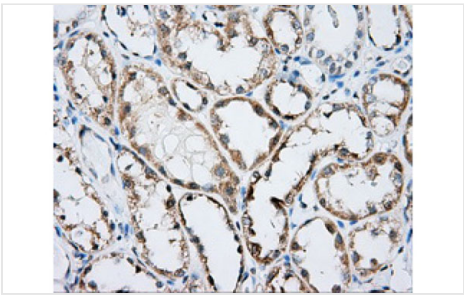
PRODUCT SYNONYMS

ARHGDI; Monoclonal Antibody; ARHGDI antibody; Monoclonal ARHGDI; Anti-ARHGDI; Rho GDP-dissociation inhibitor 1; GDIA1; RHOGDI; RHOGDI-1; Rho-GDI alpha; anti-ARHGDI antibody

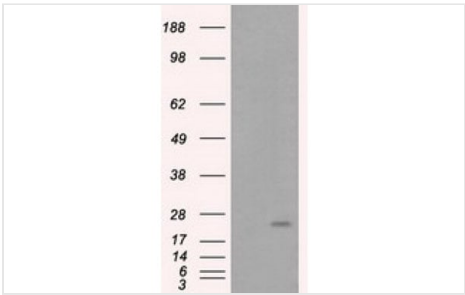
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1A7
Purity/Purification	ARHGDI antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	204
Applicable Applications for anti-ARHGDI antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	ARHGDI belongs to the RAS gene superfamily encoding small guanine nucleotide exchange (GTP/GDP) factors. Localized to the cytoplasm, ARHGDI inhibits the dissociation of GDP from Rho proteins, thereby preventing GTP from binding to and subsequently activating Rho proteins. In humans ARHGDI can be phosphorylated at Ser 101 by p21-activated kinase, an event that inhibits ARHGDI activity and may result in positive feedback regulation of certain ARHGDI target proteins. Recombinant human ARHGDI protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Cross-Reactivity	Human
Immunogen	ARHGDI antibody was raised in mouse using a full length recombinant protein of human ARHGDI (NP_004300) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of ARHGDI protein in paraffin embedded Human kidney tissue using ARHGDI antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant ARHGDI protein (Right) or empty vector (Left) detected with ARHGDI antibody

ADDITIONAL INFORMATION

Related Product Information for anti-ARHGDI antibody	Mouse monoclonal ARHGDI antibody
Product Categories/Family for anti-ARHGDI antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757768
NCBI GeneID	396
NCBI Accession #	NP_004300
NCBI GenBank Nucleotide #	NM_004309.4
UniProt Accession #	P52565; Q6IBM5; A8MXW0; B2R5X1; B4DDD3; B4DUV9
Molecular Weight	18,233 Da
NCBI Official Full Name	rho GDP-dissociation inhibitor 1 isoform a
NCBI Official Synonym Full Names	Rho GDP dissociation inhibitor (GDI) alpha
NCBI Official Symbol	ARHGDI
NCBI Official Synonym Symbols	GDIA1; NPHS8; RHOGDI; RHOGDI-1; HEL-S-47e
NCBI Protein Information	rho GDP-dissociation inhibitor 1
UniProt Protein Name	Rho GDP-dissociation inhibitor 1
UniProt Gene Name	ARHGDI
UniProt Synonym Gene Names	GDIA1; Rho GDI 1
UniProt Entry Name	GDIR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.