

Product datasheet for **TA501089**

RhoGDI (ARHGDI) Mouse Monoclonal Antibody [Clone ID: OTI1F2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1F2
Applications:	FC, WB
Recommended Dilution:	WB 1:200~1000, FLOW 1:100
Reactivity:	Human, Dog, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ARHGDI (NP_004300) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	23.0 kDa
Gene Name:	Rho GDP dissociation inhibitor alpha
Database Link:	NP_004300 Entrez Gene 192662 Mouse Entrez Gene 360678 Rat Entrez Gene 475924 Dog Entrez Gene 714752 Monkey Entrez Gene 396 Human P52565
Background:	Aplysia Ras-related homologs (ARHs), also called Rho genes, belong to the RAS gene superfamily encoding small guanine nucleotide exchange (GTP/GDP) factors. The ARH proteins may be kept in the inactive, GDP-bound state by interaction with GDP dissociation inhibitors, such as ARHGDI (Leffers et al., 1993 [PubMed 8262133]). [supplied by OMIM]



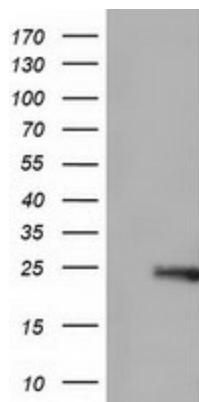
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Synonyms: GDIA1; HEL-S-47e; NPHS8; RHOGDI; RHOGDI-1

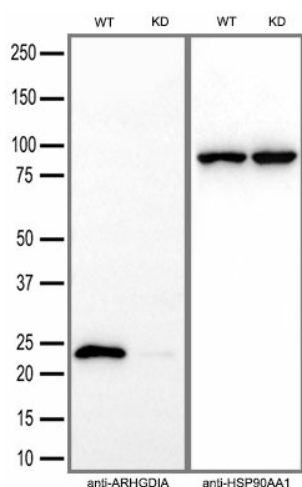
Protein Families: Druggable Genome

Protein Pathways: Neurotrophin signaling pathway

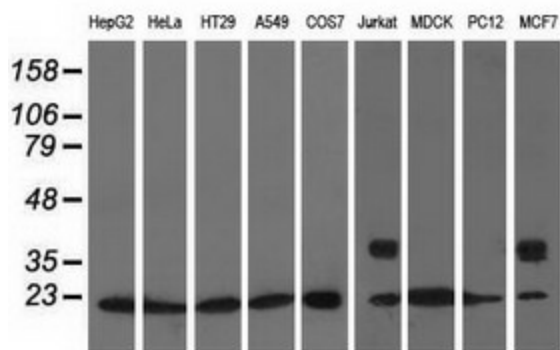
Product images:



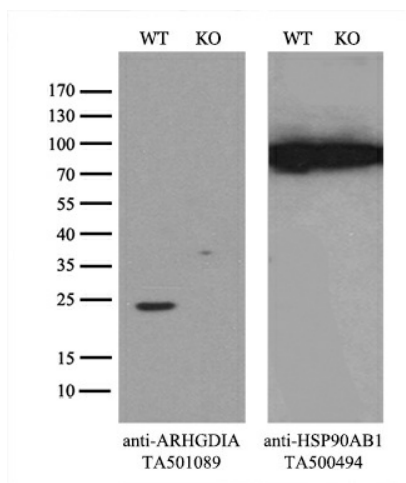
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ARHGDI (Cat# [RC200902], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ARHGDI (Cat# TA501089). Positive lysates [LY401371] (100ug) and [LC401371] (20ug) can be purchased separately from OriGene.



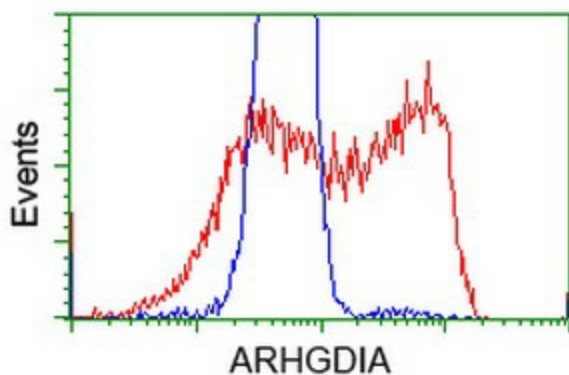
Equivalent amounts of cell lysates (30 ug per lane) of wild-type HAP-1 cells (WT) and ARHGDI-Knockdown HAP-1 cells (KD) were separated by SDS-PAGE and immunoblotted with anti-ARHGDI monoclonal antibody TA501089(1:2500). Then the blotted membrane was stripped and reprobed with anti-HSP90AA1 antibody as a loading control.



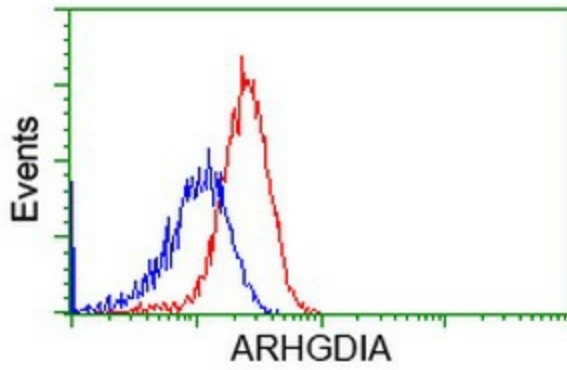
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-ARHGDI monoclonal antibody.



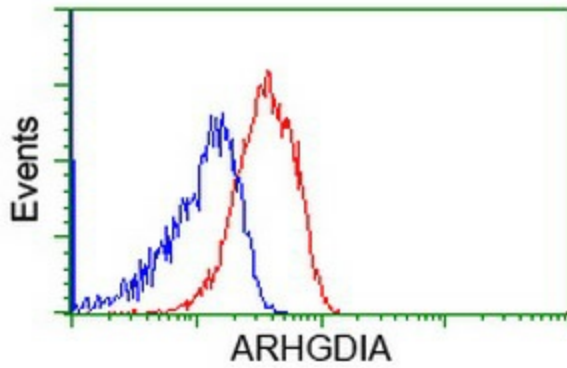
Equivalent amounts of cell lysates (10 ug per lane) of wild-type 293T cells (WT, Cat# LC810293T) and ARHGDI-Knockout 293T cells (KO, Cat# [LC811309]) were separated by SDS-PAGE and immunoblotted with anti-ARHGDI monoclonal antibody TA501089, (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90AB1 antibody ([TA500494]) as a loading control.



HEK293T cells transfected with either [RC200902] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-ARHGDI antibody (TA501089), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-ARHGDI antibody (TA501089), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-ARHGDI antibody (TA501089), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).