

Product Name: KD-Validated ARHGDIA Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00489

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:100-1:1,000
Molecular Weight	Calculated MW: 23.2kDa

Antigen Information

Gene Name	ARHGDIA
Alternative Names	ARHGDIA; Rho GDP Dissociation Inhibitor Alpha; RHOGDI; GDIA1; Rho GDP Dissociation Inhibitor (GDI) Alpha; Rho GDP-Dissociation Inhibitor 1; GDP-Dissociation Inhibitor, Aplysia RAS-Related 1; Epididymis Secretory Sperm Binding Protein Li 47e; Rho-GDI Alpha; HEL-S-47e; Rho GDI 1; RHOGDI-1; NPHS8
Gene ID	396.0
SwissProt ID	P52565
Immunogen	A synthesized peptide derived from human RhoGDI

Background

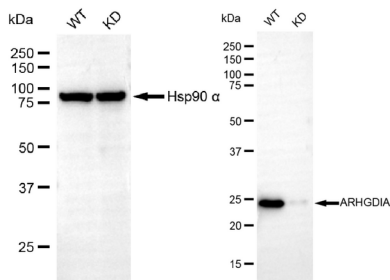
This gene encodes a protein that plays a key role in the regulation of signaling through Rho GTPases. The encoded protein

inhibits the disassociation of Rho family members from GDP (guanine diphosphate), thereby maintaining these factors in an inactive state. Activity of this protein is important in a variety of cellular processes, and expression of this gene may be altered in tumors. Mutations in this gene have been found in individuals with nephrotic syndrome, type 8. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

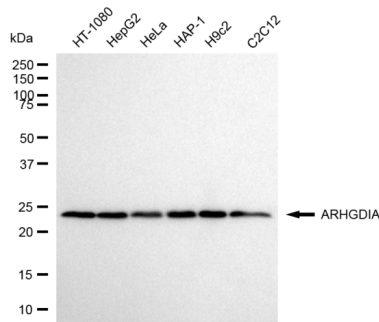
Research Area

Signal Transduction

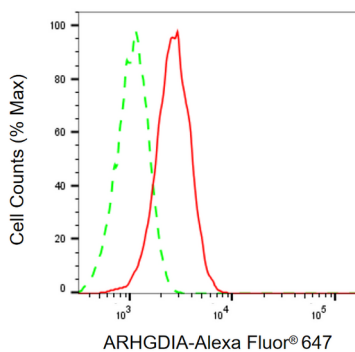
Image Data



Western blotting analysis using ARHGDIA antibody (KVA00489). ARHGDIA expression in wild-type (WT) and ARHGDIA knockdown (KD) HSHC cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ARHGDIA antibody (KVA00489, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ARHGDIA antibody (KVA00489). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ARHGDIA antibody (KVA00489, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of ARHGDIA expression in HepG2 cells using ARHGDIA antibody (KVA00489, 1:1,000). Green, isotype control; red, ARHGDIA.