
Product Name: KD-Validated ARFGAP3 Mouse Oligoclonal Antibody**Catalog #: KVA00354**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG
Clonality	Mouse oligoclonal antibody
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 1:500-1:2,500; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 56.9kDa

Antigen Information

Gene Name	ARFGAP3
Alternative Names	ARFGAP3; ARF GTPase Activating Protein 3; ADP Ribosylation Factor GTPase Activating Protein 3; ARFGAP1; ADP-Ribosylation Factor GTPase Activating Protein 1; ADP-Ribosylation Factor GTPase-Activating Protein 3; ARF GAP 3
Gene ID	26286.0
SwissProt ID	Q9NP61
Immunogen	Recombinant protein of human ARFGAP3

Background

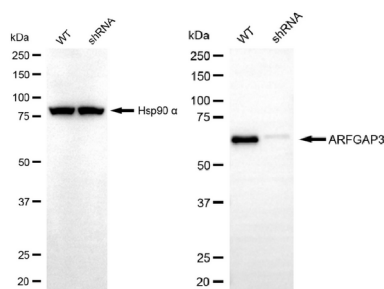
The protein encoded by this gene is a GTPase-activating protein (GAP) that associates with the Golgi apparatus and regulates the early secretory pathway of proteins. The encoded protein promotes hydrolysis of ADP-ribosylation factor 1 (ARF1)-bound

GTP, which is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles. Dissociation of the coat proteins is a prerequisite for the fusion of these vesicles with target compartments. The activity of this protein is sensitive to phospholipids. Multiple transcript variants encoding different isoforms have been found for this gene. This gene was originally known as ARFGAP1, but that is now the name of a related but different gene. [provided by RefSeq, Nov 2008]

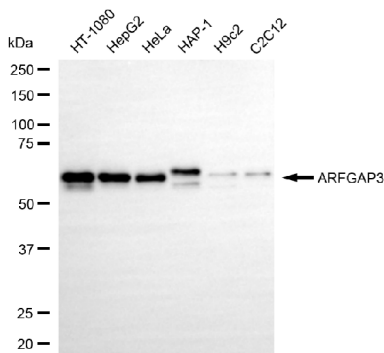
Research Area

Signal Transduction

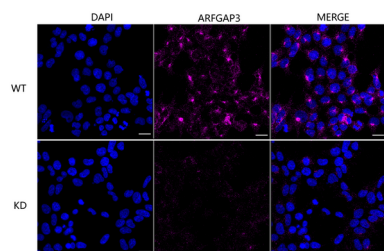
Image Data



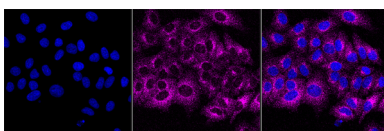
Western blotting analysis using ARFGAP3 antibody (KVA00354). ARFGAP3 expression in wild-type (WT) and ARFGAP3 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ARFGAP3 antibody (KVA00354, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using ARFGAP3 antibody (KVA00354). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ARFGAP3 antibody (KVA00354, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using ARFGAP3 antibody (KVA00354, 1:1,000). Top panel: wild-type (WT); Bottom panel: ARFGAP3 shRNA knockdown (KD). Nuclei were stained blue with DAPI; ARFGAP3 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HepG2 cells with ARFGAP3 antibody (KVA00354, 1:1,000). Nuclei were stained blue with DAPI; ARFGAP3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.