

Product Name: KO-Validated ARFGEF2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00065

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
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 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 202.0kDa

Antigen Information

Gene Name	ARFGEF2
Alternative Names	ARFGEF2; ADP Ribosylation Factor Guanine Nucleotide Exchange Factor 2; BIG2; Brefeldin A-Inhibited Guanine Nucleotide-Exchange Protein 2; ADP-Ribosylation Factor Guanine Nucleotide-Exchange Factor 2 (Brefeldin A-Inhibited); Brefeldin A-Inhibited GEP; ADP-Ribosylation Factor Guanine Nucleotide-Exchange Factor; DJ1164I10.1; ARFGEP2; PVNH2
Gene ID	10564.0
SwissProt ID	Q9Y6D5
Immunogen	A synthesized peptide derived from human ARFGEF2

Background

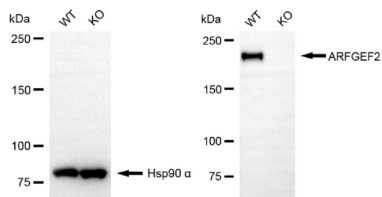
ADP-ribosylation factors (ARFs) play an important role in intracellular vesicular trafficking. The protein encoded by this gene is

involved in the activation of ARFs by accelerating replacement of bound GDP with GTP and is involved in Golgi transport. It contains a Sec7 domain, which may be responsible for its guanine-nucleotide exchange activity and also brefeldin A inhibition. [provided by RefSeq, Jul 2008]

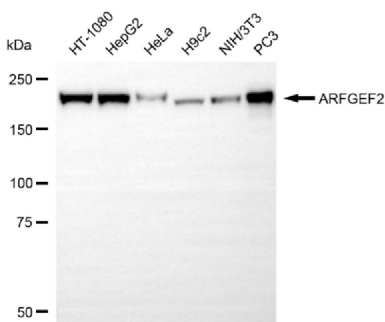
Research Area

Signal Transduction, Neuroscience, Signal Transduction

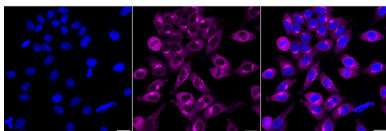
Image Data



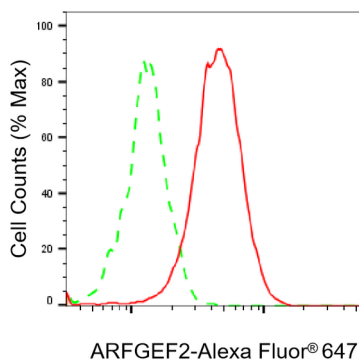
Western blotting analysis using ARFGEF2 antibody (KVA00065). ARFGEF2 expression in wild-type (WT) and ARFGEF2 knockout (KO) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ARFGEF2 antibody (KVA00065, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ARFGEF2 antibody (KVA00065). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ARFGEF2 antibody (KVA00065, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with ARFGEF2 antibody (KVA00065, 1:1,000). Nuclei were stained blue with DAPI; ARFGEF2 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.



Flow cytometric analysis of ARFGEF2 expression in HepG2 cells using ARFGEF2 antibody (KVA00065, 1:2,000). Green, isotype control; red, ARFGEF2.