
Product Name: KD-Validated ADP Ribosylation Factor 6 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01594**

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: 20.1kDa

Antigen Information

Gene Name	ARF6
Alternative Names	ARF6; ADP Ribosylation Factor 6; ADP-Ribosylation Factor 6; EC 3.6.5.2
Gene ID	382.0
SwissProt ID	P62330
Immunogen	A synthesized peptide derived from human ARF6

Background

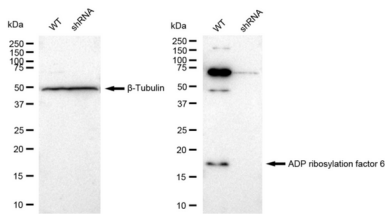
This gene encodes a member of the human ARF gene family, which is part of the RAS superfamily. The ARF genes encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. The product of this gene is localized to the plasma membrane, and

regulates vesicular trafficking, remodelling of membrane lipids, and signaling pathways that lead to actin remodeling. A pseudogene of this gene is located on chromosome 7. [provided by RefSeq, Jul 2008]

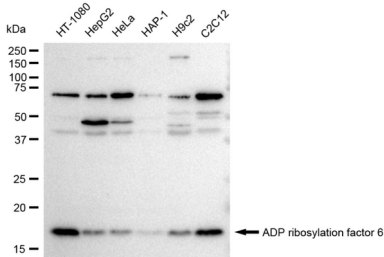
Research Area

Signal Transduction

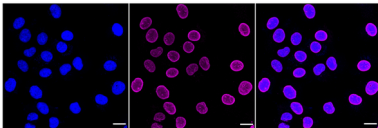
Image Data



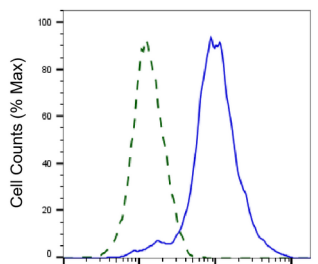
Western blotting analysis using ADP ribosylation factor 6 antibody (KVA01594). ADP ribosylation factor 6 expression in wild type (WT) and ADP ribosylation factor 6 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with ADP ribosylation factor 6 antibody (KVA01594, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



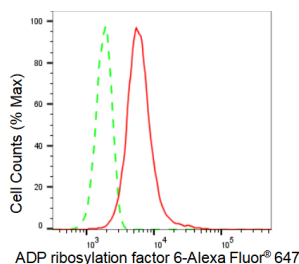
Western blotting analysis using ADP ribosylation factor 6 antibody (KVA01594). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ADP ribosylation factor 6 antibody (KVA01594, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with ADP ribosylation factor 6 antibody (KVA01594, 1:1,000). Nuclei were stained blue with DAPI; ADP ribosylation factor 6 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.



ADP ribosylation factor 6-Alexa Fluor® 647



ADP ribosylation factor 6-Alexa Fluor® 647

Validation of ADP ribosylation factor 6 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with ADP ribosylation factor 6 antibody (KVA01594, 1:2,000) and analyzed using BD flow cytometer.

Flow cytometric analysis of ADP ribosylation factor 6 expression in HT-1080 cells using ADP ribosylation factor 6 antibody (KVA01594, 1:2,000). Green, isotype control; red, ADP ribosylation factor 6.