
Product Name: KD-Validated APPL1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01337**

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: 79.7kDa

Antigen Information

Gene Name	APPL1
Alternative Names	APPL1; Adaptor Protein, Phosphotyrosine Interacting With PH Domain And Leucine Zipper 1; APPL; DCC-Interacting Protein 13-Alpha; Adaptor Protein, Phosphotyrosine Interaction, PH Domain And Leucine Zipper Containing 1; Adapter Protein Containing PH Domain, PTB Domain And Leucine Zipper Motif 1; Dip13-Alpha; Adaptor Protein Containing PH Domain, PTB Domain And Leucine Zipper Motif 13; Signaling Adaptor Protein DIP13alpha; AKT2 Interactor; DIP13alpha; KIAA1428; MODY14; DIP13A
Gene ID	26060.0
SwissProt ID	Q9UKG1
Immunogen	A synthesized peptide derived from human APPL

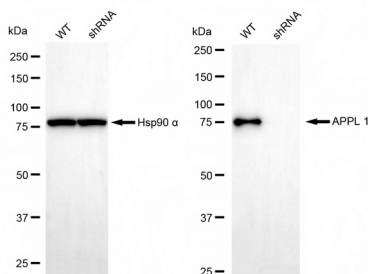
Background

The protein encoded by this gene has been shown to be involved in the regulation of cell proliferation, and in the crosstalk between the adiponectin signalling and insulin signalling pathways. The encoded protein binds many other proteins, including RAB5A, DCC, AKT2, PIK3CA, adiponectin receptors, and proteins of the NuRD/MeCP1 complex. This protein is found associated with endosomal membranes, but can be released by EGF and translocated to the nucleus. [provided by RefSeq, Jul 2008]

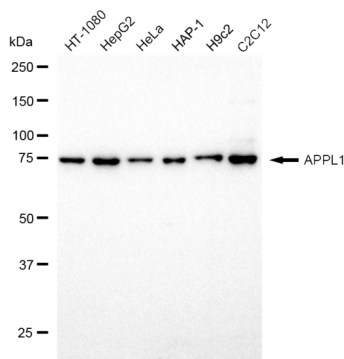
Research Area

Cell Biology, Neuroscience, Signal Transduction, Developmental Biology

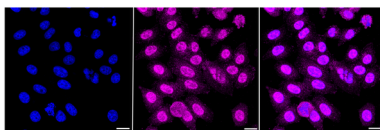
Image Data



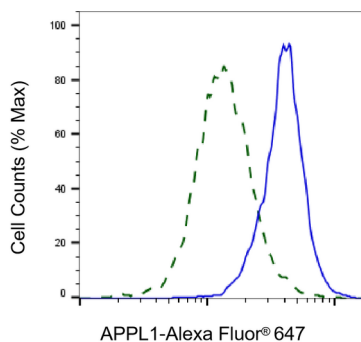
Western blotting analysis using APPL1 antibody (KVA01337). APPL1 expression in wild type (WT) and APPL1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with APPL1 antibody (KVA01337, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



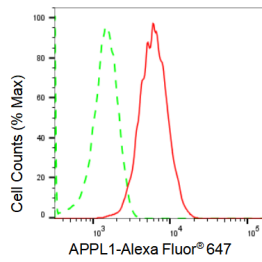
Western blotting analysis using APPL1 antibody (KVA01337). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with APPL1 antibody (KVA01337, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively. APPL1, adaptor protein, phosphotyrosine interacting with PH domain and leucine zipper 1.



Immunocytochemical staining of HepG2 cells with APPL1 antibody (KVA01337, 1:1,000). Nuclei were stained blue with DAPI; APPL1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: High. Scale bar: 20 µm.



Validation of APPL1 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with APPL1 antibody (KVA01337, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of APPL1 expression in HepG2 cells using APPL1 antibody (KVA01337, 1:2,000). Green, isotype control; red, APPL1.