

KD-Validated Anti-APPL1 Recombinant Rabbit Monoclonal Antibody



Catalog #: 61664

Aliases

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

Background

Gene Name: APPL1

NCBI Gene Entry: [26060](#)

UniProt Entry: [Q9UKG1](#)

Application Information

Molecular Weight: Predicted, 80 kDa, observed, 80 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB1570

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human APPL

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

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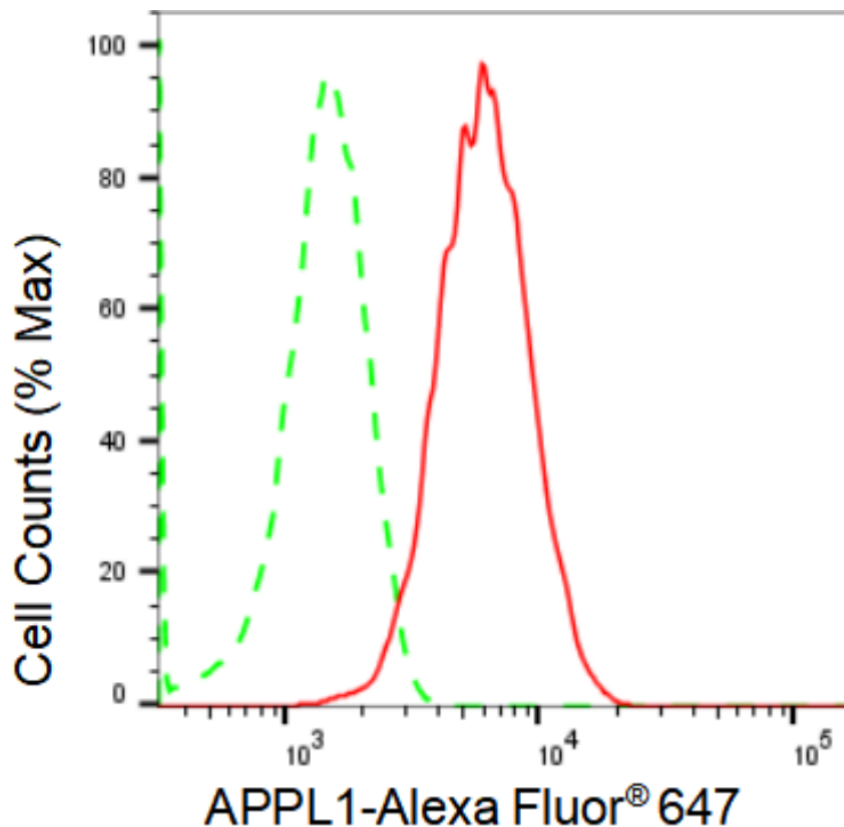
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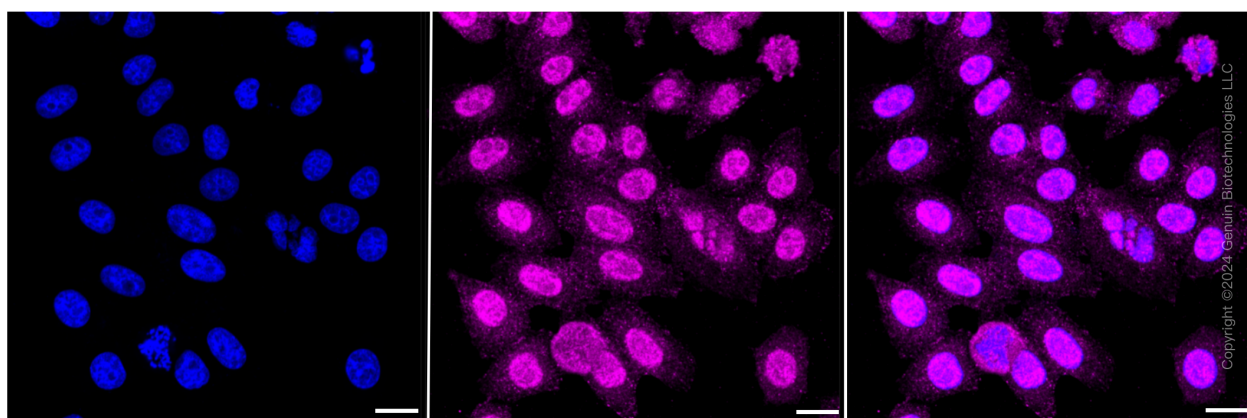
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Validation Data



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Flow cytometric analysis of APPL1 expression in HepG2 cells using APPL1 antibody (Cat#61664, 1:2,000). Green, isotype control; red, APPL1.



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Immunocytochemical staining of HepG2 cells with APPL1 antibody (Cat#61664, 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 μ m.

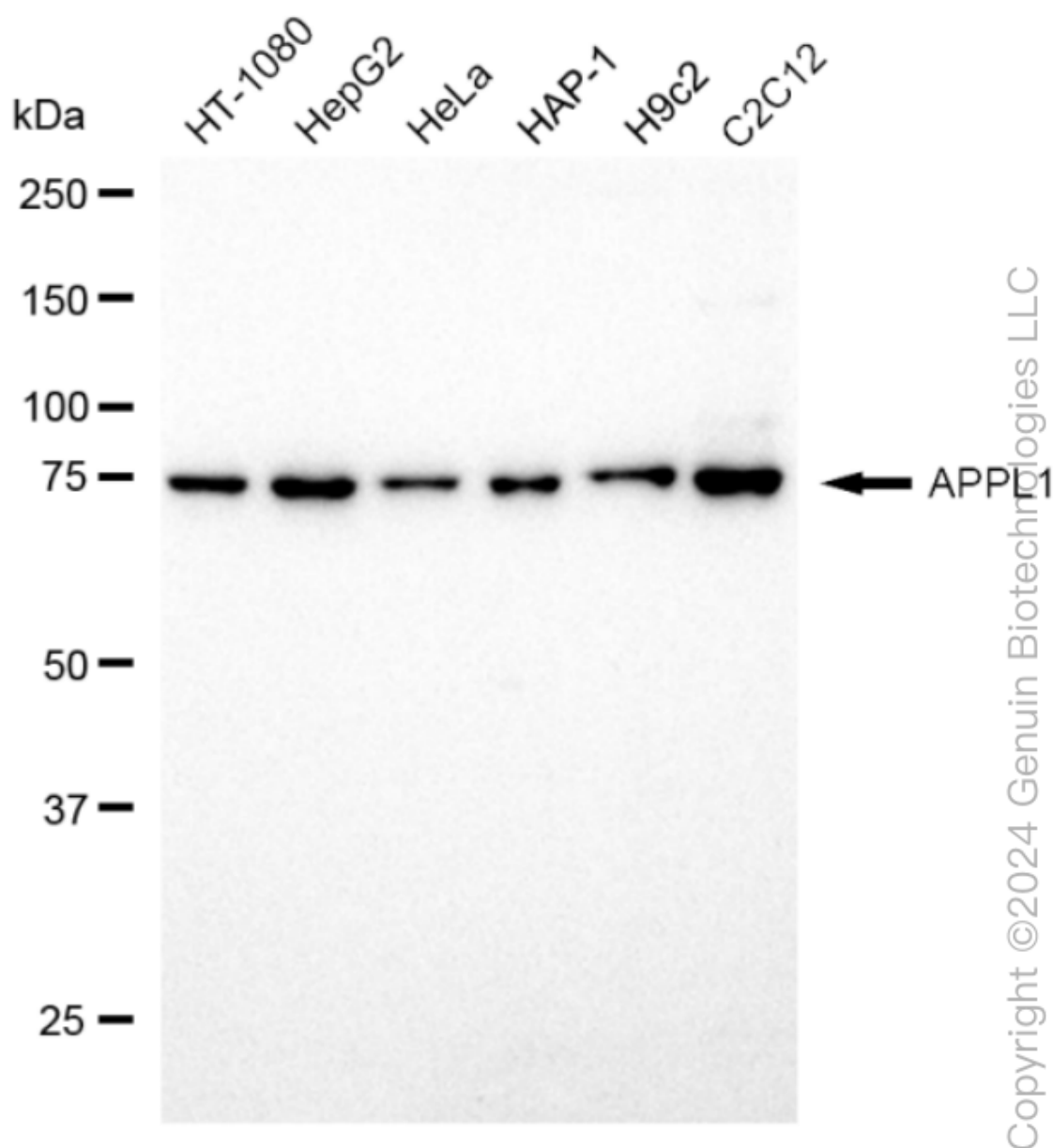
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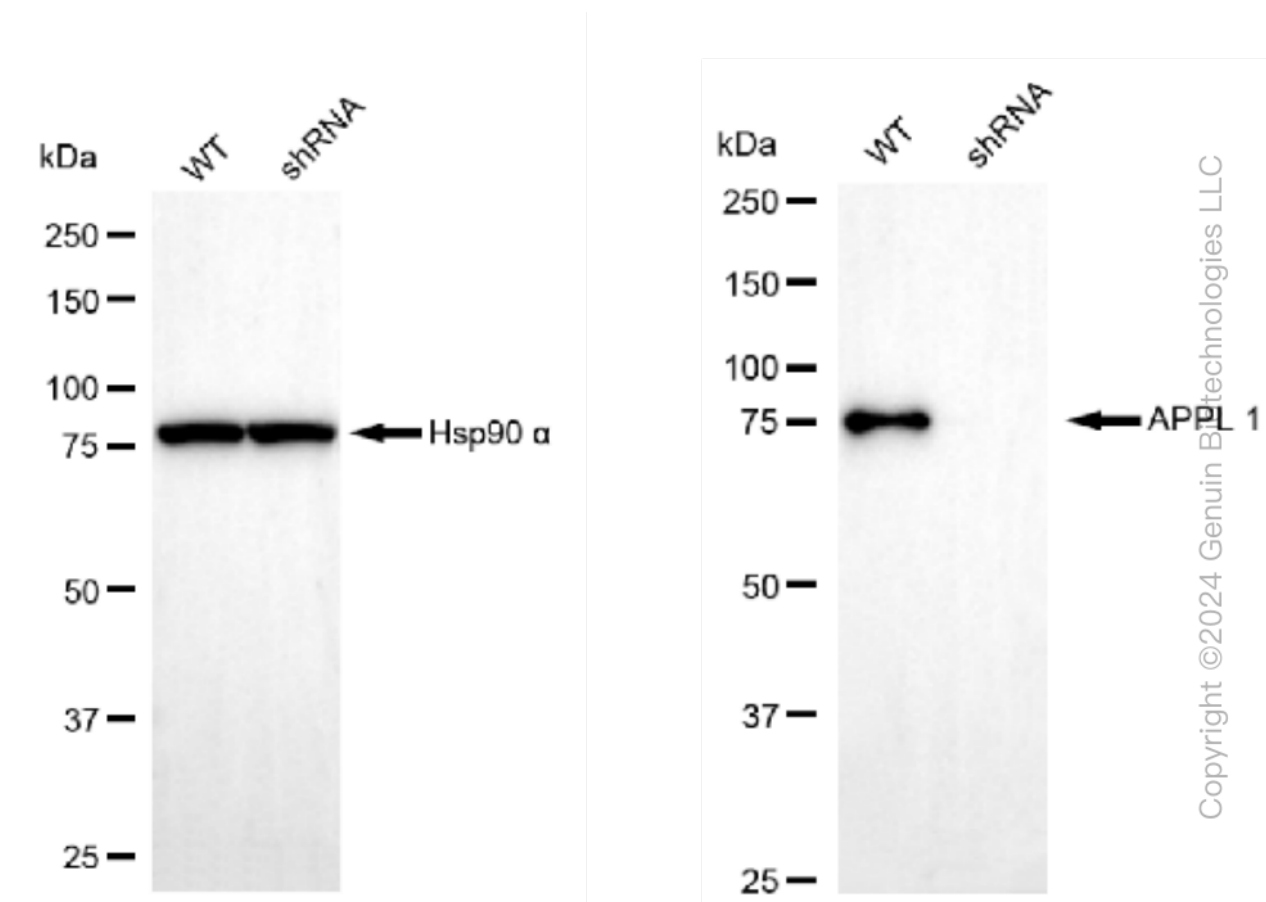
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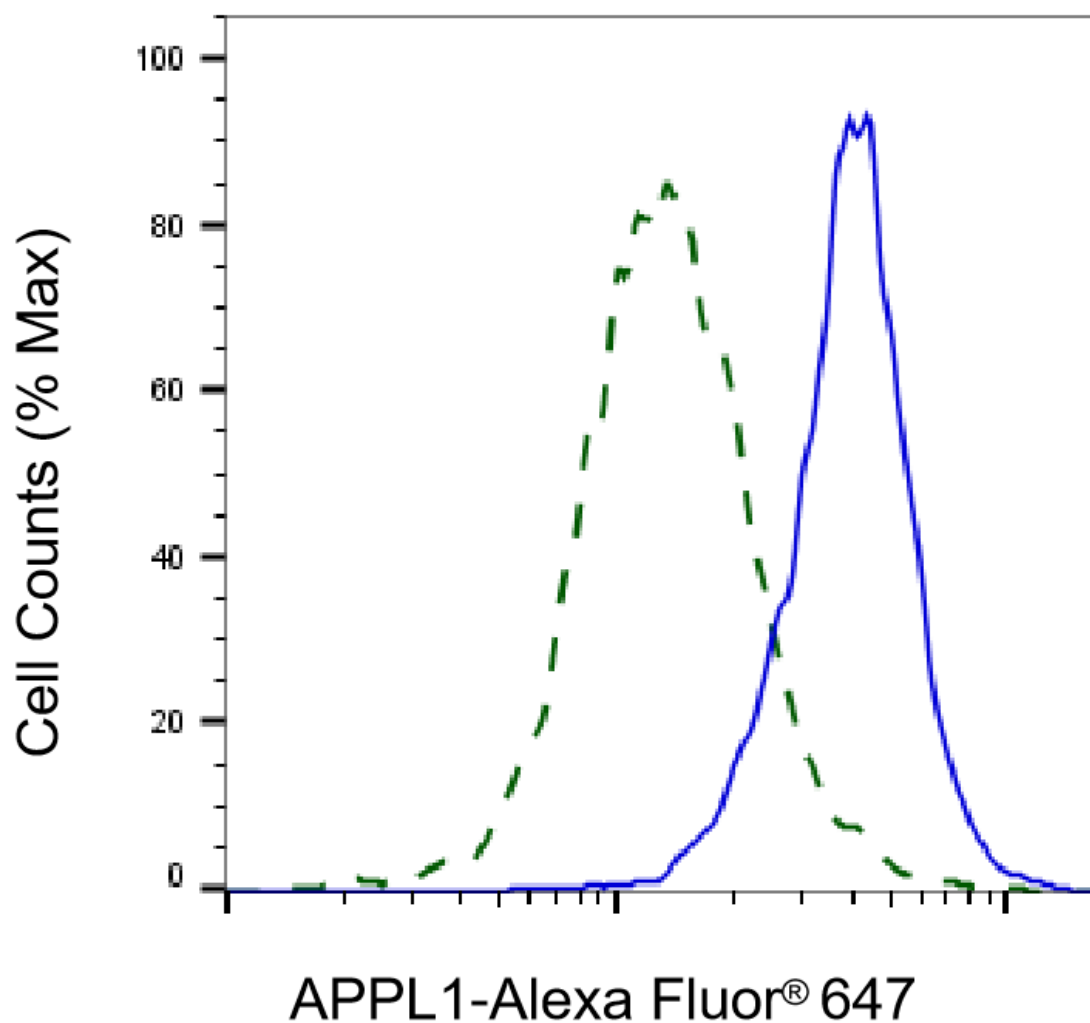
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Western blotting analysis using anti-APPL1 antibody (Cat#61664). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-APPL1 antibody (Cat#61664, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226, 1:50,000). APPL1, adaptor protein, phosphotyrosine interacting with PH domain and leucine zipper 1.



Western blotting analysis using anti-APPL1 antibody (Cat#61664). APPL1 expression in wild type (WT) and APPL1 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-APPL1 antibody (Cat#61664, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



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Validation of APPL1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-APPL1 antibody (Cat#61664, 1:2,000) and analyzed using BD flow cytometer.