
Product Name: KD-Validated AP1G1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01388**

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: 91.4kDa

Antigen Information

Gene Name	AP1G1 AP1G1; Adaptor Related Protein Complex 1 Subunit Gamma 1; Gamma1-Adaptin; CLAPG1; ADTG; Clathrin Assembly Protein Complex 1 Gamma-1 Large Chain; Adaptor Related Protein Complex 1 Gamma 1 Subunit; Golgi Adaptor HA1/AP1 Adaptin Subunit Gamma-1; Adaptor Protein Complex AP-1 Subunit Gamma-1; AP-1 Complex Subunit Gamma-1; Clathrin-Associated/Assembly/Adaptor Protein, Large, Gamma 1; Clathrin Assembly Protein Complex 1 Gamma Large Chain; Adaptor-Related Protein Complex 1, Gamma 1 Subunit; Adapter-Related Protein Complex 1 Subunit Gamma-1; Adaptor-Related Protein Complex 1 Subunit Gamma-1; Golgi Adaptor HA1/AP1 Adaptin Gamma Subunit; Testicular Tissue Protein Li 21; Gamma Adaptin; USRISD
Alternative Names	
Gene ID	164.0

SwissProt ID O43747

Immunogen A synthesized peptide derived from human AP1G1

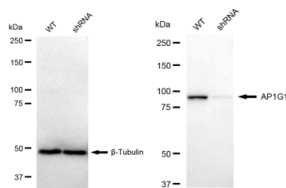
Background

Adaptins are important components of clathrin-coated vesicles transporting ligand-receptor complexes from the plasma membrane or from the trans-Golgi network to lysosomes. The adaptin family of proteins is composed of four classes of molecules named alpha, beta-, beta prime- and gamma- adaptins. Adaptins, together with medium and small subunits, form a heterotetrameric complex called an adaptor, whose role is to promote the formation of clathrin-coated pits and vesicles. The protein encoded by this gene is a gamma-adaptin protein and it belongs to the adaptor complexes large subunits family. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

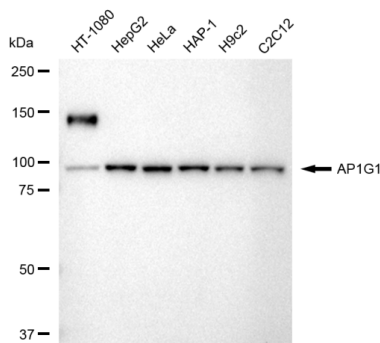
Research Area

Signal Transduction

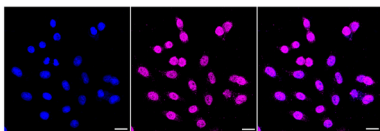
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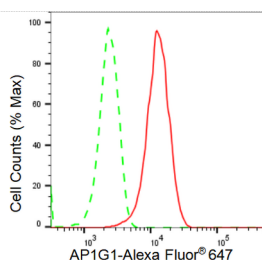
Western blotting analysis using AP1G1 antibody (KVA01388). AP1G1 expression in wild type (WT) and AP1G1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with AP1G1 antibody (KVA01388, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using AP1G1 antibody (KVA01388). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with AP1G1 antibody (KVA01388, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with AP1G1 antibody (KVA01388, 1:1,000). Nuclei were stained blue with DAPI; AP1G1 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 AP1G1 expression in HepG2 cells using AP1G1 antibody (KVA01388, 1:2,000). Green, isotype control; red, AP1G1.

