

Product Name: KD-Validated AP2M1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01418**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 49.7kDa

Antigen Information

Gene Name	AP2M1 AP2M1; Adaptor Related Protein Complex 2 Subunit Mu 1; CLAPM1; AP50; Clathrin-Associated/Assembly/Adaptor Protein, Medium 1; Clathrin Assembly Protein Complex 2 Mu Medium Chain; Clathrin Assembly Protein Complex 2 Medium Chain; Adaptor Related Protein Complex 2 Mu 1 Subunit; Adaptor-Related Protein Complex 2 Subunit Mu; Plasma
Alternative Names	Membrane Adaptor AP-2 50 KDa Protein; Plasma Membrane Adaptor AP-2 50kDa Protein; Clathrin Adaptor Complex AP2, Mu Subunit; Adaptor Protein Complex AP-2 Subunit Mu; Clathrin Coat-Associated Protein AP50; Clathrin Coat Assembly Protein AP50; Clathrin Coat Adaptor Protein AP50; AP-2 Complex Subunit Mu; HA2 50 KDa Subunit; AP-2 Mu 2 Chain; Adaptin-Mu2; Mu2; HA2 50 KDa Subunit; AP-2 Mu Chain; KIAA0109; MRD60; MU2
Gene ID	1173.0

SwissProt ID Q96CW1
Immunogen A synthesized peptide derived from human AP2M1

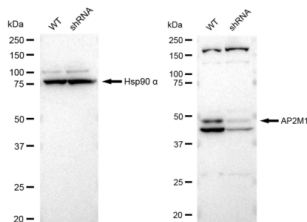
Background

This gene encodes a subunit of the heterotetrameric coat assembly protein complex 2 (AP2), which belongs to the adaptor complexes medium subunits family. The encoded protein is required for the activity of a vacuolar ATPase, which is responsible for proton pumping occurring in the acidification of endosomes and lysosomes. The encoded protein may also play an important role in regulating the intracellular trafficking and function of CTLA-4 protein. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2015]

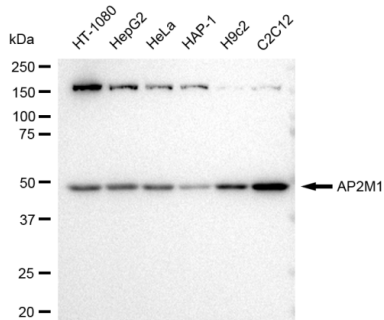
Research Area

Signal Transduction

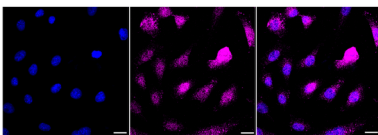
Image Data



Western blotting analysis using AP2M1 antibody (KVA01418). AP2M1 expression in wild type (WT) and AP2M1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with AP2M1 antibody (KVA01418, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using AP2M1 antibody (KVA01418). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with AP2M1 antibody (KVA01418, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with AP2M1 antibody (KVA01418, 1:1,000). Nuclei were stained blue with DAPI; AP2M1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar: 20 µm.