Product Name: **KD-Validated AP2S1 Recombinant Rabbit Monoclonal Antibody**
Catalog #: **KVAb01537**
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: 17.0kDa

Antigen Information

Gene Name	AP2S1
Alternative Names	AP2S1; Adaptor Related Protein Complex 2 Subunit Sigma 1; CLAPS2; FBH3; Adaptor Related Protein Complex 2 Sigma 1 Subunit; Clathrin Assembly Protein 2 Sigma Small Chain; Plasma Membrane Adaptor AP-2 17 KDa Protein; Adaptor Protein Complex AP-2 Subunit Sigma; Clathrin Coat-Associated Protein AP17; Clathrin Coat Assembly Protein AP17; AP-2 Complex Subunit Sigma; HA2 17 KDa Subunit; Sigma2-Adaptin; Sigma-2; FBHOk; AP17; HHC3; Clathrin-Associated/Assembly/Adaptor Protein, Small 2 (17kD); Adaptor-Related Protein Complex 2 Subunit Sigma; Hypocalciuric Hypercalcemia 3 (Oklahoma Type) 2; FBHOK
Gene ID	1175.0
SwissProt ID	P53680
Immunogen	A synthesized peptide derived from human AP2S1

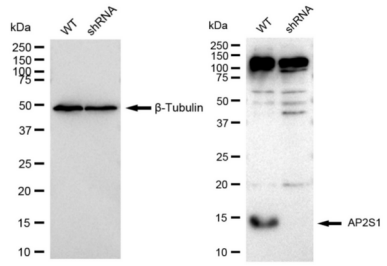
Background

One of two major clathrin-associated adaptor complexes, AP-2, is a heterotetramer which is associated with the plasma membrane. This complex is composed of two large chains, a medium chain, and a small chain. This gene encodes the small chain of this complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

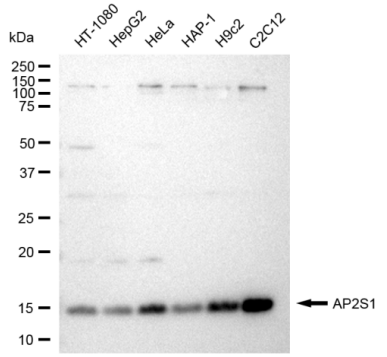
Research Area

Signal Transduction

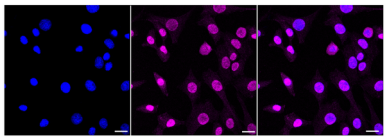
Image Data



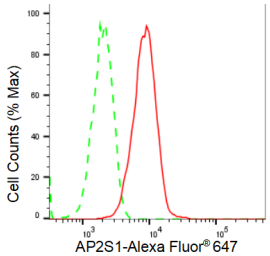
Western blotting analysis using AP2S1 antibody (KVAb01537). AP2S1 expression in wild type (WT) and AP2S1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with AP2S1 antibody (KVAb01537, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using AP2S1 antibody (KVAb01537). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with AP2S1 antibody (KVAb01537, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with AP2S1 antibody (KVAb01537, 1:1,000). Nuclei were stained blue with DAPI; AP2S1 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 AP2S1 expression in C2C12 cells using AP2S1 antibody (KVAb01537, 1:2,000). Green, isotype control; red, AP2S1.