

Product Name: KD-Validated AP3M1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00709**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
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
Molecular Weight	Calculated MW: 46.9kDa

Antigen Information

Gene Name	AP3M1 AP3M1; Adaptor Related Protein Complex 3 Subunit Mu 1; Adaptor Related Protein Complex 3 Mu 1 Subunit; AP-3 Complex Subunit Mu-1; Mu-Adaptin 3A; Mu3A-Adaptin; Adapter-
Alternative Names	Related Protein Complex 3 Mu-1 Subunit; Adaptor-Related Protein Complex 3 Subunit Mu-1; Clathrin Adaptor Complex AP3, Mu-3A Subunit; AP-3 Adapter Complex Mu3A Subunit; AP-3 Adaptor Complex Mu3A Subunit
Gene ID	26985.0
SwissProt ID	Q9Y2T2
Immunogen	A synthesized peptide derived from human AP3M1

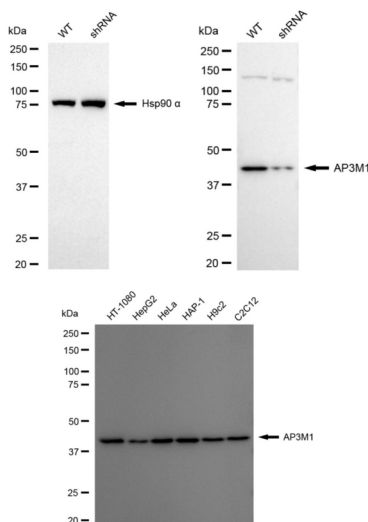
Background

The protein encoded by this gene is the medium subunit of AP-3, which is an adaptor-related protein complex associated with the Golgi region as well as more peripheral intracellular structures. AP-3 facilitates the budding of vesicles from the Golgi membrane, and it may directly function in protein sorting to the endosomal/lysosomal system. AP-3 is a heterotetrameric protein complex composed of two large subunits (delta and beta3), a medium subunit (mu3), and a small subunit (sigma 3). Mutations in one of the large subunits of AP-3 have been associated with the Hermansky-Pudlak syndrome, a genetic disorder characterized by defective lysosome-related organelles. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2016]

Research Area

Signal Transduction

Image Data



Western blotting analysis using AP3M1 antibody (KVA00709). AP3M1 expression in wild-type (WT) and AP3M1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with AP3M1 antibody (KVA00709, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Western blotting analysis using AP3M1 antibody (KVA00709). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with AP3M1 antibody (KVA00709, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.