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AP3M1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17992b

Specification

AP3M1 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9Y2T2
Other Accession	Q9JKC8, Q24K11, NP_036227.1
Reactivity	**Human**
Predicted	**Bovine, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**46939**
Antigen Region	**390-418**

AP3M1 Antibody (C-term) - Additional Information

Gene ID 26985

Other Names
AP-3 complex subunit mu-1, AP-3 adaptor complex mu3A subunit, Adaptor-related protein complex 3 subunit mu-1, Mu-adaptin 3A, Mu3A-adaptin, AP3M1

Target/Specificity
This AP3M1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 390-418 amino acids from the C-terminal region of human AP3M1.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
AP3M1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AP3M1 Antibody (C-term) - Protein Information

Name AP3M1

Function Part of the AP-3 complex, an adaptor-related complex which is not clathrin-associated. The complex is associated with the Golgi region as well as more peripheral structures. It facilitates the budding of vesicles from the Golgi membrane and may be directly involved in trafficking to lysosomes. In concert with the BLOC-1 complex, AP-3 is required to target cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals.

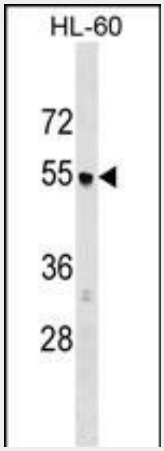
Cellular Location
Golgi apparatus. Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Note=Component of the coat surrounding the cytoplasmic face of coated vesicles located at the Golgi complex

AP3M1 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AP3M1 Antibody (C-term) - Images



AP3M1 Antibody (C-term) (Cat. #AP17992b) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the AP3M1 antibody detected the AP3M1 protein (arrow).

AP3M1 Antibody (C-term) - 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 may be directly involved 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. Alternatively spliced transcript variants encoding the same protein have been observed.

AP3M1 Antibody (C-term) - References

Hashimoto, R., et al. Neurosci. Res. 65(1):113-115(2009)
Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)
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Drake, M.T., et al. Mol. Biol. Cell 11(11):3723-3736(2000)
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