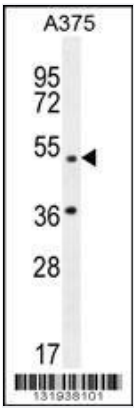
# AP1M1 Antibody – Rabbit Polyclonal

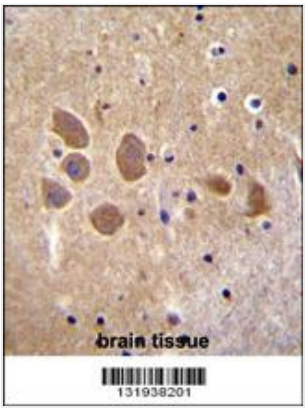
## PRODUCT OVERVIEW

| | |
|---|---|
| **Product Name** | AP1M1, Polyclonal Antibody |
| **Full Product Name** | AP1M1, ID (AP1M1, CLTNM, AP-1 complex subunit mu-1, AP-mu chain family member mu1A, Adaptor protein complex AP-1 mu-1 subunit, Adaptor-related protein complex 1 mu-1 subunit, Clathrin assembly protein complex 1 medium chain 1, Clathrin coat assembly prote |
| **Product Gene Name** | anti-AP1M1 antibody |
| **Product Synonym Names** | AP1M1; CLTNM; AP-1 complex subunit mu-1; AP-mu chain family member mu1A; Adaptor protein complex AP-1 mu-1 subunit; Adaptor-related protein complex 1 mu-1 subunit; Clathrin assembly protein complex 1 medium chain 1; Clathrin coat assembly protein AP47; Clathrin coat-associated protein AP47; Golgi adaptor HA1/AP1 adaptin mu-1 subunit; Mu-adaptin 1; Mu1A-adaptin |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC). |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Preparation and Storage** | Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. |
| **Molecular Weight** | 49,840 Da |
| **OMIM** | 603535 |
| **3D Structure** | ModBase 3D Structure for Q9BXS5 |
| **Immunogen** | AP1M1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 206-235 amino acids from the Central region of human AP1M1. |
| **Conjugate** | FITC |
| **Note** | Preservative Free |
| **Special Handling** | Light sensitive |
| **Product Categories/Family for anti-AP1M1 antibody** | Antibodies; Clathrin |
| **Applications Tested/Suitable for anti-AP1M1 antibody** | Immunofluorescence (IF), FLISA, Immunohistochemistry (IHC), Western Blot (WB) |
| **Application Notes for anti-AP1M1 antibody** | IF: 1:10-50<br>FLISA: 1:1,000<br>IHC: 1:10-50<br>WB: 1:100-500<br>Applications are based on unconjugated antibody. |

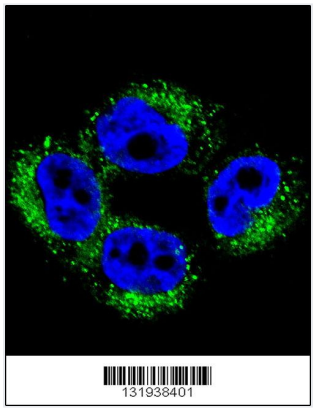
| | |
|---|---|
| **Related Product Information for anti-AP1M1 antibody** | The protein encoded by this gene is the medium chain of the trans-Golgi network clathrin-associated protein complex AP-1. The other components of this complex are beta-prime-adaptin, gamma-adaptin, and the small chain AP1S1. This complex is located at the Golgi vesicle and links clathrin to receptors in coated vesicles. These vesicles are involved in endocytosis and Golgi processing. Alternatively spliced transcript variants encoding distinct protein isoforms have been found for this gene. [provided by RefSeq]. |
| **Product References and Citations for anti-AP1M1 antibody** | Sawasdee, N., et al. Biochem. Biophys. Res. Commun. 401(1):85-91(2010). Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009). Noviello, C.M., et al. J. Virol. 82(3):1249-1258(2008). Medigeshi, G.R., et al. Traffic 9(1):121-132(2008). Roeth, J.F., et al. J. Cell Biol. 167(5):903-913(2004). |
| **Other Notes** | Small volumes of anti-AP1M1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for AP1M1 purchase** | MBS6274030 is an antibody targeting AP1M1. Also known as AP1M1, ID (AP1M1, CLTNM, AP-1 complex subunit mu-1, AP-mu chain family member mu1A, Adaptor protein complex AP-1 mu-1 subunit, Adaptor-related protein complex 1 mu-1 subunit, Clathrin assembly protein complex 1 medium chain 1, Clathrin coat assembly prote. Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-AP1M1 antibody**
AP1M1 Antibody (Center) western blot analysis in A375 cell line lysates (35ug/lane).This demonstrates the AP1M1 antibody detected the AP1M1 protein (arrow).




**Immunohistochemistry (IHC) of anti-AP1M1 antibody**
AP1M1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of AP1M1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.




**Immunofluorescence (IF) of anti-AP1M1 antibody**
Confocal immunofluorescent analysis of AP1M1 Antibody (Center) with A375 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AP1M1. It may not necessarily be applicable to this product.

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|---|---|
| **NCBI GI #** | 14210504 |
| **NCBI GeneID** | 8907 |

| | |
|---|---|
| **NCBI Accession #** | NP_115882.1 |
| **UniProt Primary Accession #** | Q9BXS5 |
| **UniProt Secondary Accession #** | Q4TTY5 |
| **UniProt Related Accession #** | Q9BXS5 |
| **GenBank Nucleotide #** | NM_032493.3 |
| **NCBI Official Full Name** | AP-1 complex subunit mu-1 isoform 2 |
| **NCBI Official Synonym Full Names** | adaptor-related protein complex 1, mu 1 subunit |
| **NCBI Official Symbol** | AP1M1 |
| **NCBI Official Synonym Symbols** | AP47; CLTNM; MU-1A; CLAPM2 |
| **UniProt Protein Name** | AP-1 complex subunit mu-1 |
| **UniProt Synonym Protein Names** | AP-mu chain family member mu1A; Adaptor protein complex AP-1 subunit mu-1; Adaptor-related protein complex 1 subunit mu-1; Clathrin assembly protein complex 1 mu-1 medium chain 1; Clathrin coat assembly protein AP47; Clathrin coat-associated protein AP47; Golgi adaptor HA1/AP1 adaptin mu-1 subunit; Mu-adaptin 1; Mu1A-adaptin |
| **Protein Family** | AP-1 complex |
| **UniProt Gene Name** | AP1M1 |
| **UniProt Synonym Gene Names** | CLTNM |
| **UniProt Entry Name** | AP1M1_HUMAN |
| **NCBI Protein Information** | AP-1 complex subunit mu-1; mu-adaptin 1; mu1A-adaptin; HA1 47 kDa subunit; clathrin adaptor protein AP47; AP-mu chain family member mu1A; golgi adaptor AP-1 47 kDa protein; clathrin coat assembly protein AP47; clathrin coat-associated protein AP47; adapto |
| **NCBI Summary for AP1M1** | The protein encoded by this gene is the medium chain of the trans-Golgi network clathrin-associated protein complex AP-1. The other components of this complex are beta-prime-adaptin, gamma-adaptin, and the small chain AP1S1. This complex is located at the Golgi vesicle and links clathrin to receptors in coated vesicles. These vesicles are involved in endocytosis and Golgi processing. Alternatively spliced transcript variants encoding distinct protein isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |
| **Research Articles on AP1M1** | **1.** Adaptor protein 1 promotes cross-presentation through the same tyrosine signal in major histocompatibility complex class I as that targeted by HIV-1. |
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