

Rabbit AP1M1 Polyclonal Antibody | anti-AP1M1 antibody

AP1M1 Antibody

CATALOG # AAA323012	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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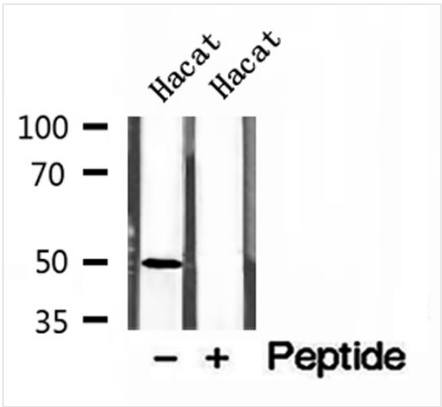
PRODUCT SYNONYMS

AP1M1; Polyclonal Antibody; AP1M1 Antibody; Adaptor protein complex AP-1 mu-1 subunit; Adaptor-related protein complex 1 mu-1 subunit; AP-1 complex subunit mu-1; AP-mu chain family member mu1A; Ap1m1; AP1M1_HUMAN; AP47; CLAPM2; Clathrin adaptor protein AP47; Clathrin assembly protein complex 1 medium chain 1; Clathrin assembly protein complex 1 medium chain; Clathrin assembly protein complex AP1 mu subunit; Clathrin coat assembly protein AP47; Clathrin coat-associated protein AP47; CLTNM; Golgi adaptor AP 1 47 kDa protein; Golgi adaptor HA1/AP1 adaptin mu-1 subunit; HA1 47 kDa subunit; MU 1A; Mu-adaptin 1; Mu1A-adaptin; anti-AP1M1 antibody

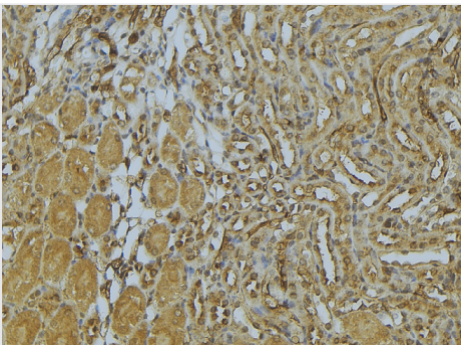
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AP1M1 antibody detects endogenous levels of AP1M1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	435
Applicable Applications for anti-AP1M1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AP1M1.
Subcellular Location	Golgi Apparatus. Cytoplasmic Vesicle > Clathrin-Coated Vesicle Membrane. Component of the coat surrounding the cytoplasmic face of coated vesicles located at the Golgi complex.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

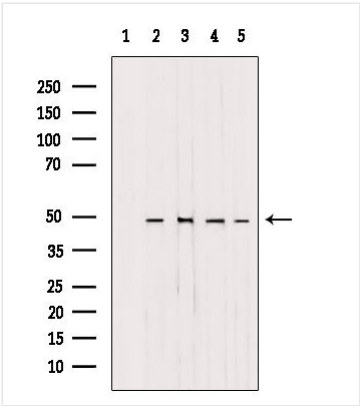
IMAGES



WB (Western Blot)
Western blot analysis of extracts of Hacat cells, using AP1M1 antibody.



IHC (Immunohistochemistry)
AAA323012 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from various samples, using AP1M1 antibody. Lane 1: rat heart treated with blocking peptide. Lane 2: Rat heart; Lane 3: Mouse brain; Lane 4: Hepg2; Lane 5: B16F10;

ADDITIONAL INFORMATION

Related Product Information for anti-AP1M1 antibody	Function: Subunit of clathrin-associated adaptor protein complex 1 that plays a role in protein sorting in the trans-Golgi network (TGN) and endosomes. The AP complexes mediate the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules. Subunit Structure: Adaptor protein complex 1 (AP-1) is a heterotetramer composed of two large adaptins (gamma-type subunit AP1G1 and beta-type subunit AP1B1), a medium adaptin (mu-type subunit AP1M1 or AP1M2) and a small adaptin (sigma-type subunit AP1S1 or AP1S2 or AP1S3). Interacts with MARCH11 (By similarity). Interacts with HIV-1 Nef. Associates with the AP1(MU)-Nef-MHC-I complex; this complex is required for MHC-I internalization. Post-translational Modifications: Phosphorylation of membrane-bound AP1M1/AP1M2 increases its affinity for sorting signals. Similarity: Belongs to the adaptor complexes medium subunit family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194473724
NCBI GeneID	8907
NCBI Accession #	NP_001123996.1
NCBI GenBank Nucleotide #	NM_001130524.1
UniProt Accession #	Q9BXS5; Q4TTY5

Molecular Weight	Observed: 49 kDa Predicted: 49 kDa
NCBI Official Full Name	AP-1 complex subunit mu-1 isoform 1
NCBI Official Synonym Full Names	adaptor related protein complex 1 subunit mu 1
NCBI Official Symbol	AP1M1
NCBI Official Synonym Symbols	AP47; CLTNM; MU-1A; CLAPM2
NCBI Protein Information	AP-1 complex subunit mu-1
UniProt Protein Name	AP-1 complex subunit mu-1
UniProt Gene Name	AP1M1
UniProt Synonym Gene Names	CLTNM

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ap1m1-antibody-immunohistochemistry-western-blot-elisa/323012>