

Rabbit AP-2 complex subunit mu Polyclonal Antibody | anti-AP2M1 antibody

Rabbit anti-human AP-2 complex subunit mu polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA118119	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

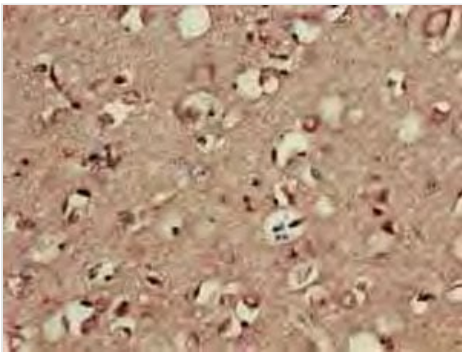
PRODUCT SYNONYMS

AP-2 complex subunit mu; Polyclonal Antibody; Rabbit anti-human AP-2 complex subunit mu polyclonal Antibody; AP-2 mu chain Adapter-related protein complex 2 subunit mu Adaptor protein complex AP-2 subunit mu Clathrin assembly protein complex 2 mu medium chain Clathrin coat assembly protein AP50 Clathrin coat-associated protein AP50 HA2 50 kDa subunit Plasma membrane adaptor AP-2 50 kDa protein AP2M1 CLAPM1; KIAA0109; anti-AP2M1 antibody

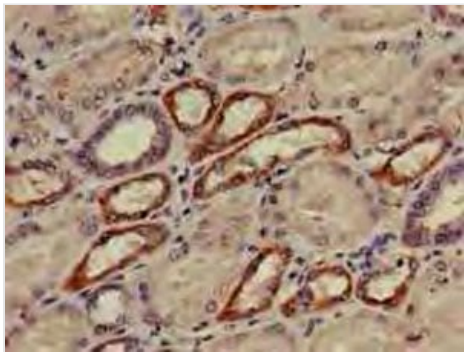
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	433
Applicable Applications for anti-AP2M1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Species	Homo sapiens (Human)
Research Area	Signal Transduction
Target Names	AP2M1
Immunogen	Recombinant Human AP-2 complex subunit mu protein (1-435AA)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-49150 / sc-49151 / sc-49152 / sc-99026
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

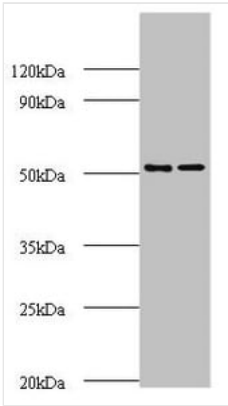
IMAGES



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded human brain tissue using AAA118119 at dilution of 1:100



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human cervical cancer using AAA118119 at dilution of 1:100



WB (Western Blot)
Western blotAll lanes: AP-2 complex subunit mu polyclonal Antibody at 2ug/mlLane 1: Mouse brain tissueLane 2: Rat brain tissueSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 50 kDaObserved band size: 50 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-AP2M1 antibody	Component of the adaptor protein complex 2 (AP-2). Adaptor protein complexes function in protein transport via transport vesicles in different membrane traffic pathways. Adaptor protein complexes are vesicle coat components and appear to be involved in cargo selection and vesicle formation. AP-2 is involved in clathrin-dependent endocytosis in which cargo proteins are incorporated into vesicles surrounded by clathrin (clathrin-coated vesicles, CCVs) which are destined for fusion with the early endosome. The clathrin lattice serves as a mechanical scaffold but is itself unable to bind directly to membrane components. Clathrin-associated adaptor protein (AP) complexes which can bind directly to both the clathrin lattice and to the lipid and protein components of membranes are considered to be the major clathrin adaptors contributing the CCV formation. AP-2 also serves as a cargo receptor to selectively sort the membrane proteins involved in receptor-mediated endocytosis. AP-2 seems to play a role in the recycling of synaptic vesicle membranes from the presynaptic surface. AP-2 recognizes Y-X-X-[FILMV] (Y-X-X-Phi) and [ED]-X-X-X-L-[LI] endocytosis signal motifs within the cytosolic tails of transmembrane cargo molecules. AP-2 may also play a role in maintaining normal post-endocytic trafficking through the ARF6-regulated, non-clathrin pathway. The AP-2 mu subunit binds to transmembrane cargo proteins; it recognizes the Y-X-X-Phi motifs. The surface region interacting with to the Y-X-X-Phi motif is inaccessible in cytosolic AP-2, but becomes accessible through a conformational change following phosphorylation of AP-2 mu subunit at 'Tyr-156' in membrane-associated AP-2. The membrane-specific phosphorylation event appears to involve assembled clathrin which activates the AP-2 mu kinase AAK1 By similarity. Plays a role in endocytosis of frizzled family members upon Wnt signaling.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	68799814
NCBI GeneID	1173

NCBI Accession #	NP_001020376.1
NCBI GenBank Nucleotide #	NM_001025205.1
UniProt Accession #	Q96CW1 ; P20172 ; P53679 ; A6NE12 ; D3DNT1
NCBI Official Full Name	AP-2 complex subunit mu isoform b
NCBI Official Synonym Full Names	adaptor related protein complex 2 mu 1 subunit
NCBI Official Symbol	AP2M1
NCBI Official Synonym Symbols	mu2; AP50; CLAPM1
NCBI Protein Information	AP-2 complex subunit mu
UniProt Protein Name	AP-2 complex subunit mu
UniProt Gene Name	AP2M1
UniProt Synonym Gene Names	CLAPM1; KIAA0109
UniProt Entry Name	AP2M1_HUMAN

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/ap-2-complex-subunit-mu-antibody-immunohistochemistry-western-blot-elisa/118119>