



AP2M1 (phospho-Thr156) rabbit pAb

Catalog No	YP-Ab-10357
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	AP2M1 CLAPM1 KIAA0109
Immunogen	Synthesized phosho peptide around human AP2M1 (Thr156)
Specificity	This antibody detects endogenous levels of Human AP2M1 (phospho-Thr156)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AP2M1;Adaptin mu2;Adaptin-mu2;Adaptor protein complex AP-2 subunit mu; Adaptor-related protein complex 2 subunit mu;AP2M1 CLAPM1 KIAA0109; AP2M1 (Thr156);AP-2 complex subunit mu (AP-2 mu chain) (Adapter-related protein complex 2 mu subunit) (Adaptin-mu2) (Adaptor protein complex AP-2 subunit mu) (Clathrin assembly protein complex 2 medium chain) (Clathrin coat assembly protein AP50) (Clathrin coat-associated protein AP50) (HA2 50 kDa subunit) (Plasma membrane adaptor AP-2 50 kDa protein)
Observed Band	47kD
Calculated Molecular Weight	47kD
Cell Pathway	Cell membrane . Membrane, coated pit ; Peripheral membrane protein; Cytoplasmic side. AP-2 appears to be excluded from internalizing CCVs and to disengage from sites of endocytosis seconds before internalization of the nascent CCV. .
Tissue Specificity	Expressed in the brain (at protein level).
Function	function:Component of the adaptor complexes which link clathrin to receptors in coated vesicles. Clathrin-associated protein complexes are believed to interact with the cytoplasmic tails of membrane proteins, leading to their selection and concentration. AP50 is a subunit of the plasma membrane adaptor. The complex



binds polyphosphoinositide-containing lipids.,PTM:Phosphorylated.,
similarity:Belongs to the adaptor complexes medium subunit family.,
similarity:Contains 1 MHD (mu homology) domain.,subcellular
location:Component of the coat surrounding the cytoplasmic face of coated
vesicles in the plasma membrane.,subunit:Adaptor protein complex 2 (AP-2) is
an heterotetramer composed of two large adaptins (alpha-type subunit AP2A1
or AP2A2 and beta-type subunit AP2B1), a medium adaptin (mu-type subunit
AP2M1) and a small adaptin (sigma-type subunit AP2S1). Interacts with
ATP6V1H and MEGF10.,

Background

This gene encodes a subunit of the heterotetrameric coat assembly protein complex 2 (AP2), which belongs to the adaptor complexes medium subunits family. The encoded protein is required for the activity of a vacuolar ATPase, which is responsible for proton pumping occurring in the acidification of endosomes and lysosomes. The encoded protein may also play an important role in regulating the intracellular trafficking and function of CTLA-4 protein. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2015],

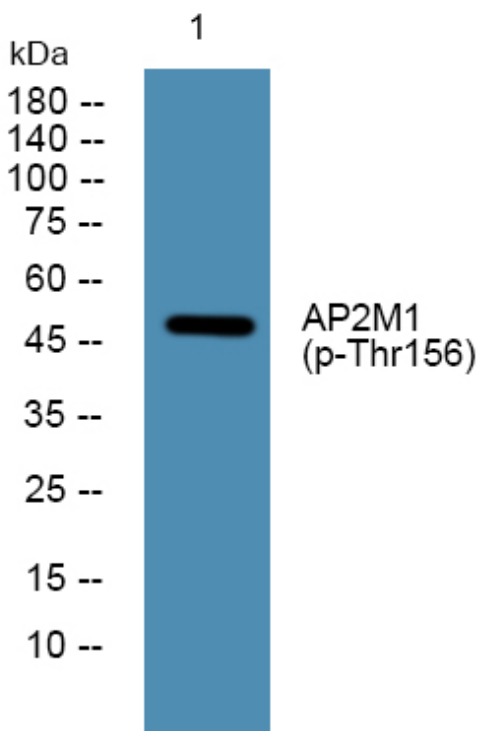
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from K562 cells,
primary antibody was diluted at 1:1000, 4°over night