Datasheet for ABIN7265448

anti-AP2M1 antibody

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	AP2M1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This AP2M1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	AP2M1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human AP2M1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	AP2M1
Alternative Name:	AP2M1 (AP2M1 Products)
Background:	This gene encodes a subunit of the heterotetrameric coat assembly protein complex 2 (AP2),

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Target Details

	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],AP50, CLAPM1, mu2,Neurodegenerative Diseases,Neuroscience,Protein phosphorylation,Signal Transduction,AP2M1
Molecular Weight:	50kDa
Gene ID:	1173
UniProt:	Q96CW1
Pathways:	EGFR Signaling Pathway, Neurotrophin Signaling Pathway, EGFR Downregulation, SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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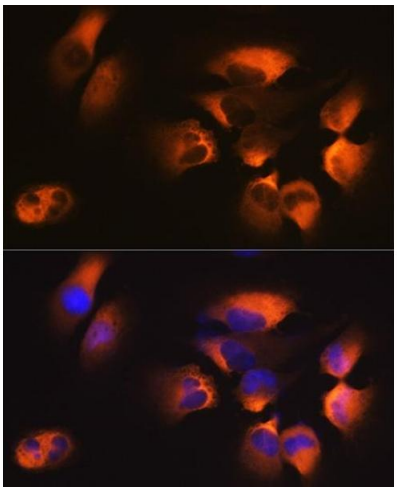
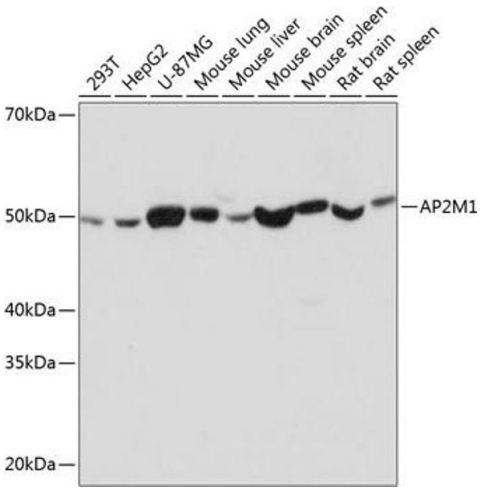


Immunofluorescence

Image 1. Immunofluorescence analysis of U-251MG cells using M1 Rabbit mAb (ABIN7265448) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using M1 Rabbit mAb (ABIN7265448) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.

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