Datasheet for ABIN655298

anti-AP1M1 antibody (AA 205-234)

3 Images

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Overview

Quantity:	400 µL
Target:	AP1M1
Binding Specificity:	AA 205-234
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AP1M1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	This AP1M1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 205-234 amino acids from the Central region of human AP1M1.
Clone:	RB29031
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	AP1M1
Alternative Name:	AP1M1 (AP1M1 Products)

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Target Details

Background:	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].
Molecular Weight:	48587
Gene ID:	8907
NCBI Accession:	NP_001123996, NP_115882
UniProt:	Q9BXS5

Application Details

Application Notes:	IF: 1:25. WB: 1:1000. FC: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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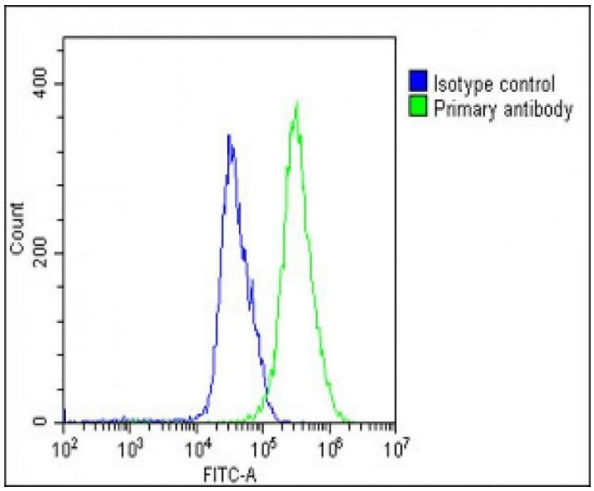
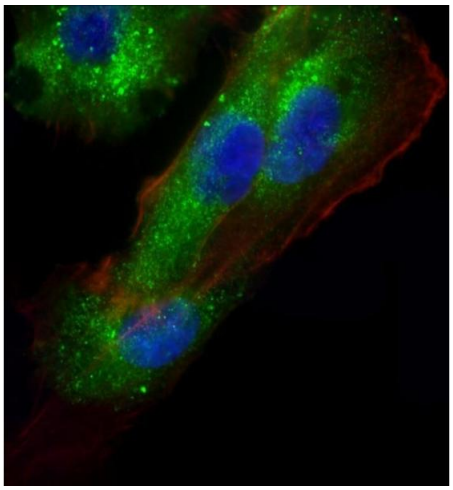


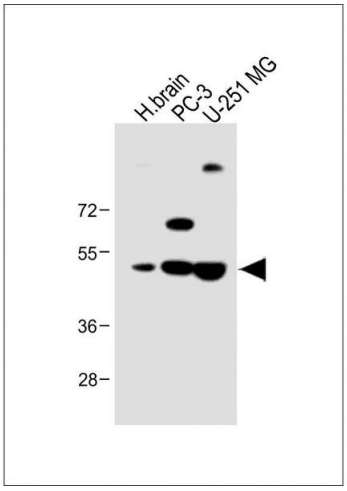
Flow Cytometry

Image 1. Overlay histogram showing U-251 MG cells stained with (ABIN655298 and ABIN2844885)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN655298 and ABIN2844885), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Immunofluorescence

Image 2. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0. 1 % Triton X-100 permeabilized U-251 MG cells labeling M1 with 1351c at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-Rabbit IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing Cytoplasm and Weak Nucleus staining on U-251 MG cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin(red). The nuclear counter stain is DI (blue).



Western Blotting

Image 3. All lanes : Anti-M1 Antibody (Center) at 1:1000 dilution Lane 1: Human brain lysate Lane 2: PC-3 whole cell lysate Lane 3: U-251 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 49 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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