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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-AP1M1 Antibody (Center)

Catalog Number: A10072-2

About AP1M1

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].

Overview

Product Name	Anti-AP1M1 Antibody (Center)
Reactive Species	Human
Description	Boster Bio Anti-AP1M1 Antibody (Center) (Catalog # A10072-2). Tested in IF, WB, Flow Cytometry application(s). This antibody reacts with Human.
Application	Flow Cytometry, IF, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9BXS5

Technical 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.
Predicted Reactive Species	Bovine, Mouse, Rat
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	IF: 1:25 WB: 1:1000 FC: 1:25

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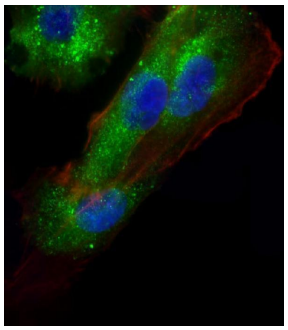
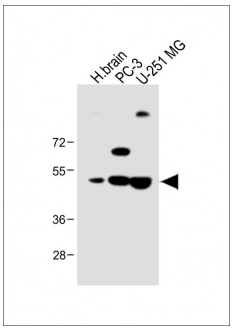
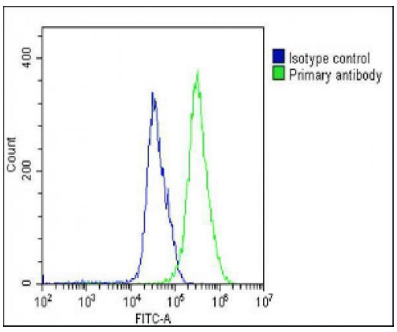
Anti-AP1M1 Antibody (Center) (A10072-2) Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0. 1% Triton X-100 permeabilized U-251 MG cells labeling AP1M1 with A10072-2 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 DAPI (blue).



All lanes : Anti-AP1M1 Antibody (Center) at 1:1000 dilutionLane 1: Human brain lysateLane 2: PC-3 whole cell lysateLane 3: U-251 MG whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 49 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing U-251 MG cells stained with A10072-2 (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 (A10072-2, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

Anti-AP1M1 Antibody (Center)

For Research Use Only. Not for use in diagnostic procedures.