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Datasheet for ABIN1386471
anti-AP2M1 antibody (pThr156)

Overview

Quantity:	100 µL
Target:	AP2M1
Binding Specificity:	pThr156
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AP2M1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human AP2M1 around the phosphorylation site of Thr156
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Sheep,Chicken
Purification:	Purified by Protein A.

Target Details

Target: AP2M1

Alternative Name: AP2M1 ([AP2M1 Products](#))

Background: Synonyms: AP2M1 phospho T156, p-AP2M1phospho T156, Adaptin mu 1, Clathrin coat associated protein AP50, Adapter-related protein complex 2 mu subunit, Adaptin-mu2, Adaptor protein complex AP 2 subunit mu, Adaptor protein complex AP-2 subunit mu, Adaptor related protein complex 2 mu 1 subunit, AP 2 mu 2 chain, AP-2 complex subunit mu, AP-2 mu chain, Ap2m1, AP2M1_HUMAN, AP50, CLAPM1, Clathrin adaptor complex AP2 mu subunit, Clathrin assembly protein complex 2 medium chain, Clathrin associated/assembly/adaptor protein medium 1, Clathrin coat adaptor protein AP50, Clathrin coat assembly protein AP50, Clathrin coat-associated protein AP50, HA2 50 kDa subunit, mu2 antibody, Plasma membrane adaptor AP-2 50 kDa protein.

Background: Adaptins are heterotetrameric subunits of adaptors, which are complexes involved in the formation of Clathrin-coated pits for vesicle-mediated endocytosis. Clathrin and its associated heterotetrameric protein complexes make up the main protein components of the coat surrounding the cytoplasmic face of coated vesicles. The Adaptin family, comprising a, b, and g classes, is also responsible for the transport of ligand-receptor complexes from plasma membranes and the trans-Golgi network to lysosomes. Two main types of adaptor proteins (APs), AP-1 and AP-2, are found in Clathrin-coated structures located at the Golgi complex and the plasma membrane of mammalian cells, respectively. Adaptor protein complex 2 (AP-2) is composed of two large Adaptins (a1A/AP2A1 and b1/AP2B1), a medium Adaptin (m2/AP-2m1) and a small Adaptin (s2 long/AP2S1). AP-2m1, a 435 amino acid protein, links Clathrin to receptors in coated vesicles.

Pathways: [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [EGFR Downregulation](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months