Mouse anti-Human ATP2C1 Monoclonal Antibody | anti-ATP2C1 antibody

ATP2C1 (KIAA1347, PMR1L, Calcium-transporting ATPase Type 2C Member 1, ATP-dependent Ca(2+) Pump PMR1) APC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24439	**Mouse**	**Human**	**ELISA, Immunofluorescence, Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

ATP2C1; Monoclonal Antibody; ATP2C1 (KIAA1347; PMR1L; Calcium-transporting ATPase Type 2C Member 1; ATP-dependent Ca(2+) Pump PMR1) APC; anti-ATP2C1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, lambda
Clone Number	2G1
Specificity	Recognizes human ATP2C1.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Applicable Applications for anti-ATP2C1 antibody	ELISA, IF (Immunofluorescence), IP (Immunoprecipitation), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa119-269 from human ATP2C1 (AAH28139) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	VQEYRSEKSLEELSKLVPPECHCVREGKLEHTLARDLVPGDTVCLSVGDRVPADLRLFEAVDLSIDESSLTGETTPCSKVTAPQPAATNGDLASRSNIAFM
Conjugate	APC
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

IMAGES

WB (Western Blot)
ATP2C1 monoclonal antibody Western Blot analysis of ATP2C1 expression in HeLa.

WB (Western Blot)
Western blot analysis of ATP2C1 over-expressed 293 cell line, cotransfected with ATP2C1 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with ATP2C1 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.

Application Data
Detection limit for recombinant GST tagged ATP2C1 is ~0.03ng/ml as a capture antibody.

IP (Immunoprecipitation)
Immunoprecipitation of ATP2C1 transfected lysate using ATP2C1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ATP2C1 rabbit polyclonal antibody.

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to ATP2C1 on HeLa cell. [antibody concentration 10ug/ml]

WB (Western Blot)
Western Blot analysis of ATP2C1 expression in transfected 293T cell line by ATP2C1 monoclonal antibody. Lane 1: ATP2C1 transfected lysate (100.6kD). Lane 2: Non-transfected lysate.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ATP2C1 antibody	Antibodies; Ion Channel

NCBI AND UNIPROT INFORMATION

NCBI GI #	20380102
NCBI GeneID	27032
Molecular Weight	104,032 Da
NCBI Official Full Name	Homo sapiens ATPase, Ca++ transporting, type 2C, member 1, mRNA
NCBI Official Synonym Full Names	ATPase secretory pathway Ca2+ transporting 1
NCBI Official Symbol	ATP2C1
NCBI Official Synonym Symbols	HHD; BCPM; PMR1; SPCA1; hSPCA1; ATP2C1A
NCBI Protein Information	calcium-transporting ATPase type 2C member 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/atp2c1-antibody-clone-2g1-immunofluorescence-immunoprecipitation-western-blot-elisa/24439