

Mouse ATP2C1 Antibody | anti-ATP2C1 antibody

ATP2C1 Antibody

CATALOG # AAA108697	HOST Mouse	REACTIVITY Human, Monkey	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ATP2C1; ATP2C1 Antibody; HHD; BCPM; PMR1; SPCA1; anti-ATP2C1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Monkey
Isotype	IgG1
Clone Number	4G12
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	888
Applicable Applications for anti-ATP2C1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of ATP2C1 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C.

IMAGES



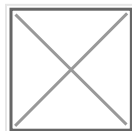
IHC (Immunohistochemistry)

Figure 3: Immunohistochemical analysis of paraffin-embedded human ovarian cancer (left) and breast cancer (right) tissues using ATP2C1 mouse mAb with DAB staining.



WB (Western Blot)

Figure 2: Western blot analysis using ATP2C1 mouse mAb against A431 (1), HeLa (2) and HEK293 (3) cell lysate.



WB (Western Blot)

Figure 1: Western blot analysis using ATP2C1 mouse mAb against human recombinant ATP2C1.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP2C1 antibody	ATP2C1, also known as PMR1, it belongs to the family of P-type cation transport ATPases. This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of the calcium. The human homologue, ATP2C1 (also designated SPLA in rat), also regulates the transport of calcium in the Golgi complex and is related to other P-type ATPases family members, such as the sarco(endo)plasmic calcium ATPase (SERCA) and the plasma membrane calcium ATPase (PCMA). ATP2C1 is a transmembrane protein that exists as two splice variants, which vary by 20 amino acids. Defects in ATP2C1 cause Hailey-Hailey disease, which is an autosomal dominant disorder that is characterized by blisters and erosions of the skin. These findings provide further evidence that PMR1 plays a key role in maintaining the integrity of the epidermis by controlling intracellular calcium signaling.
Product Categories/Family for anti-ATP2C1 antibody	Autophagy antibody ; Cancer ; Cardiovascular ; Cell Biology ; Epigenetics & Nuclear Signaling ; Developmental Biologys ; Immunology ; Drug Discovery Products ; Metabolism ; Neuroscience ; Signal Transduction ; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	48762687
NCBI GeneID	27032
NCBI Accession #	NP_001001485.1
NCBI GenBank Nucleotide #	NM_001001485.2
UniProt Accession #	P98194; O76005; Q86V72; Q86V73; Q8N6V1; Q8NCJ7; B2RAT7; B4DSW3; B7Z3X9; G3XAH8; G8JLN9
Molecular Weight	100kDa
NCBI Official Full Name	calcium-transporting ATPase type 2C member 1 isoform 1c
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
UniProt Protein Name	Calcium-transporting ATPase type 2C member 1
UniProt Gene Name	ATP2C1
UniProt Synonym Gene Names	KIAA1347; PMR1L; ATPase 2C1

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/mouse-human-monkey-antibody/atp2c1/108697>