

Rabbit anti-Human, Mouse ATP2C2 Polyclonal Antibody | anti-ATP2C2 antibody

ATP2C2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39702	Rabbit	Human, Mouse	Immunofluorescence, Western Blot, ELISA

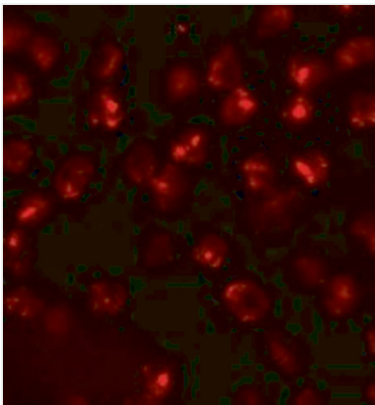
PRODUCT SYNONYMS

ATP2C2; Polyclonal Antibody; ATP2C2 Antibody; SPCA2; KIAA0703; Calcium-transporting ATPase type 2C member 2; ATPase 2C2; ATPase; Ca++ transporting; type 2C; member 2; anti-ATP2C2 antibody

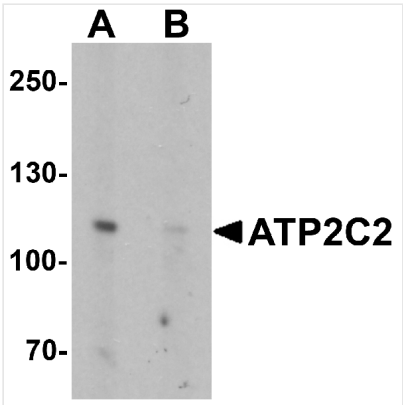
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three isoforms of ATP2C2 are known to exist. ATP2C2 antibody will not cross-react with ATP2C1
Purity/Purification	ATP2C2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	946
Applicable Applications for anti-ATP2C2 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ATP2C2 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human ATP2C2.
Buffer	ATP2C2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ATP2C2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of ATP2C2 in 3T3 cells with ATP2C2 antibody at 20 μg/mL.



WB (Western Blot)
Western blot analysis of ATP2C2 in 3T3 cell lysate with ATP2C2 antibody at 1 μg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP2C2 antibody	ATP2C2 Antibody: ATP2C2, also known as secretory pathway Ca2+/Mn2+-ATPase (SPCA) 2, 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 from the cytosol to the Golgi lumen. Defects in the related gene ATP2C1 cause Hailey-Hailey disease, for which ATP2C2 does not compensate, suggesting that ATP2C2 plays other physiological roles. Unlike ATP2C1, ATP2C2 has a much more restricted expression pattern and displays a higher maximal turnover rate for overall Ca2+-ATPase reaction and a lower apparent affinity for cytosolic Ca2+ activation of phosphorylation. Overexpression of ATP2C2 in mammary tumors result a Ca2+ influx via the store-operated Ca2+ channel ORAI1 and independent of the STIM1 and STIM2 sensors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118498343
NCBI GeneID	9914
NCBI Accession #	NP_055676
NCBI GenBank Nucleotide #	NM_014861.2
UniProt Accession #	O75185; Q5HYC3; Q5S053; Q68CQ2; B4DU76; E7ES94
Molecular Weight	106,235 Da
NCBI Official Full Name	calcium-transporting ATPase type 2C member 2 isoform 2
NCBI Official Synonym Full Names	ATPase, Ca++ transporting, type 2C, member 2
NCBI Official Symbol	ATP2C2
NCBI Official Synonym Symbols	SPCA2
NCBI Protein Information	calcium-transporting ATPase type 2C member 2; ATPase 2C2; secretory pathway Ca(2+)-ATPase 2; secretory pathway calcium ATPase 2
UniProt Protein Name	Calcium-transporting ATPase type 2C member 2
UniProt Gene Name	ATP2C2
UniProt Synonym Gene Names	KIAA0703; SPCA2; ATPase 2C2
UniProt Entry Name	AT2C2_HUMAN

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://www.aaabiotech.com/polyclonal/atp2c2-antibody-immunofluorescence-western-blot-elisa/39702>