

Rabbit anti-Human, Mouse ATP2C1 Polyclonal Antibody | anti-ATP2C1 antibody

ATP2C1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39988	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

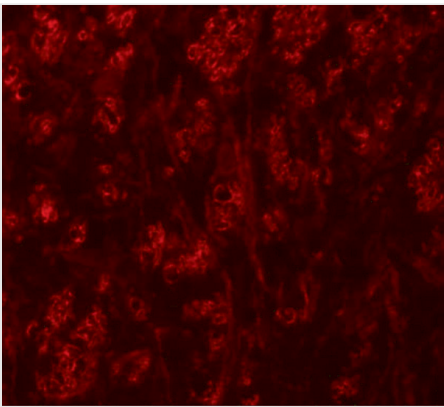
PRODUCT SYNONYMS

ATP2C1; Polyclonal Antibody; ATP2C1 Antibody; HHD; BCPM; PMR1; SPCA1; hSPCA1; ATP2C1A; KIAA1347; PMR1L; HUSSY-28; Calcium-transporting ATPase type 2C member 1; ATPase 2C1; ATPase; Ca++ transporting; type 2C; member 1; anti-ATP2C1 antibody

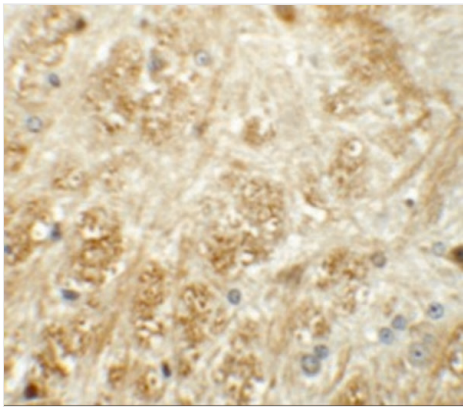
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	At least four isoforms of ATP2C1 are known to exist; this antibody will recognize only the three longest isoforms. ATP2C1 antibody will not cross-react with ATP2C2.
Purity/Purification	ATP2C1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	973
Applicable Applications for anti-ATP2C1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ATP2C1 antibody was raised against a 19 amino acid synthetic peptide near the carboxy terminus of human ATP2C1.
Buffer	ATP2C1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ATP2C1 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.

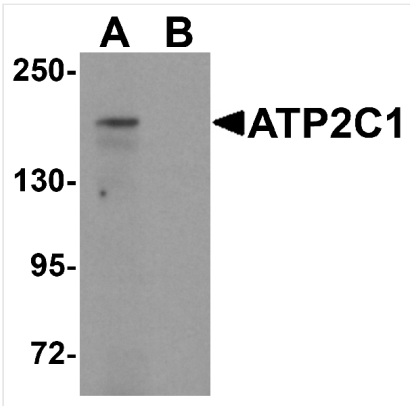
IMAGES



IF (Immunofluorescence)
Immunofluorescence of ATP2C1 in mouse brain tissue with ATP2C1 antibody at 20 μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemistry of ATP2C1 in mouse brain tissue with ATP2C1 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of ATP2C1 in mouse brain tissue lysate with ATP2C1 antibody at 1 μg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP2C1 antibody

ATP2C1 Antibody: ATP2C1, also known as secretory pathway Ca²⁺/Mn²⁺-ATPase (SPCA) 1, 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 this gene cause Hailey-Hailey disease, an autosomal dominant disorder characterized by persistent blisters and erosions of the skin. Unlike the related protein ATP2C2, ATP2C1 is ubiquitously expressed and displays a lower maximal turnover rate for overall Ca²⁺-ATPase reaction and a higher apparent affinity for cytosolic Ca²⁺ activation of phosphorylation. Recent evidence suggests that ATP2C1 is a key regulator of insulin-like growth factor receptor (IGF1R) processing in tumor progression in basal breast cancers.

NCBI AND UNIPROT INFORMATION

NCBI GI #	312836765
NCBI GeneID	27032
NCBI Accession #	NP_001001486
NCBI GenBank Nucleotide #	NM_001199180.1
UniProt Accession #	P98194; O76005; Q86V72; Q86V73; Q8N6V1; Q8NCJ7; B2RAT7; B4DSW3; B7Z3X9; G3XAH8; G8JLN9
Molecular Weight	104,032 Da
NCBI Official Full Name	calcium-transporting ATPase type 2C member 1 isoform 2a

NCBI Official Synonym Full Names	ATPase, Ca++ transporting, type 2C, member 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; HUSSY-28; ATPase 2C1; ATPase, Ca(2+)-sequestering; ATP-dependent Ca(2+) pump PMR1; secretory pathway Ca2+/Mn2+ ATPase 1
UniProt Protein Name	Calcium-transporting ATPase type 2C member 1
UniProt Gene Name	ATP2C1
UniProt Synonym Gene Names	KIAA1347; PMR1L; ATPase 2C1
UniProt Entry Name	AT2C1_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://stage.aaabiotech.com/polyclonal/atp2c1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39988>