BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-ATP2C1 Antibody

Catalog Number: A03143-2

About ATP2C1

ATP2C1, also known as hSPCA1, belongs to the family of P-type cation transport ATPases. ATP2C1 is a Golgi-localized ATPase that mediates Golgi uptake of cytosolic Ca(2+) and Mg(2+) and has a role in regulating Ca(2+) and Mn(2+) cellular content (PMID: 11741891). ATP2C1 is found in most tissues except colon, thymus, spleen, and leukocytes. It is expressed in keratinocytes (PMID: 15831496, 14632183). Defects in ATP2C1 cause Hailey-Hailey disease (HHD)(PMID: 10615129, 28035777).

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Overview

Product Name	Anti-ATP2C1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ATP2C1 Antibody catalog # A03143-2. Tested in WB, IHC, ICC, IF, IP, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IP, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt□-20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P98194

Technical Details

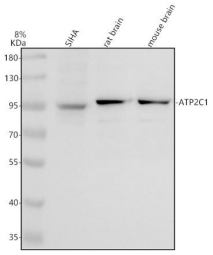
Immunogen	E.coli-derived human ATP2C1 recombinant protein (Position: V322-L652).
Form	Liquid

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Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-400 Immunocytochemistry/Immunofluorescence, 1:50-400 ImmunoPrecipitation, 1:250-300 ELISA, 1:100-1000

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Anti-ATP2C1 Antibody (A03143-2) Images



Western blot analysis of ATP2C1 using anti-ATP2C1 antibody (A03143-2). Electrophoresis was performed on a 8% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human SIHA whole cell lysates, Lane 2: rat brain tissue lysates, Lane 3: mouse brain tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ATP2C1 antigen affinity purified polyclonal antibody (A03143-2) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for ATP2C1 at approximately 95 kDa. The expected band size for ATP2C1 is at 101 kDa.

Anti-ATP2C1 Antibody

For Research Use Only. Not for use in diagnostic procedures.