abcam

Product datasheet

Anti-ATP2C1 antibody ab126171

2 References 1 Image

Overview

Product name	Anti-ATP2C1 antibody
Description	Rabbit polyclonal to ATP2C1
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat, Cow
Immunogen	Recombinant fragment, corresponding to a region within internal sequence amino acids 483-721 of Human ATP2C1 (UniProt P98194).
Positive control	HeLa whole cell lysate; A549 cell lysate
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab126171 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 101 kDa.

Target

Function This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of the calcium.

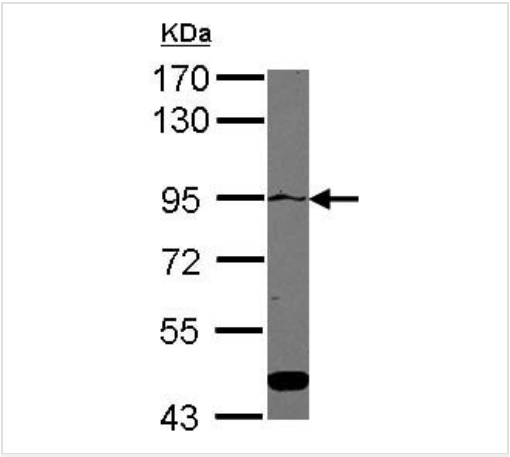
Tissue specificity Found in most tissues except colon, thymus, spleen and leukocytes. Most abundant in keratinocytes and kidney.

Involvement in disease Defects in ATP2C1 are the cause of Hailey-Hailey disease (HHD) [MIM:169600]; also known as benign familial pemphigus. HHD is an autosomal dominant disorder characterized by persistent blisters and suprabasal cell separation (acantholysis) of the epidermis, due to impaired keratinocyte adhesion. Patients lacking all isoforms except isoform 2 have HHD.

Sequence similarities Belongs to the cation transport ATPase (P-type) (TC 3.A.3) family. Type IIA subfamily.

Cellular localization Golgi apparatus membrane.

Images



Western blot - Anti-ATP2C1 antibody (ab126171)

Anti-ATP2C1 antibody (ab126171) at 1/2000 dilution + HeLa whole cell lysate at 30 µg

Predicted band size: 101 kDa

7.5% SDS PAGE

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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