


Anti-ATP1B1 antibody ab96292

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Overview

Product name	Anti-ATP1B1 antibody
Description	Rabbit polyclonal to ATP1B1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Rabbit, Guinea pig, Dog, Pig 
Immunogen	Recombinant fragment corresponding to Human ATP1B1 aa 83-303. Database link: P05026
Positive control	MOLT4, A431, HepG2 and Raji cell lysates for WB and MDAMB468 xenograft for IHC-P
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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 ab96292 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		1/1000 - 1/10000. Predicted molecular weight: 35 kDa. Optimal dilutions/concentrations should be determined by the researcher
IHC-P		1/100 - 1/1000. Optimal dilutions/concentrations should be determined by the researcher

Target

Function

This is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na(+) and K(+) ions across the plasma membrane. The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane.

Tissue specificity

Found in most tissues.

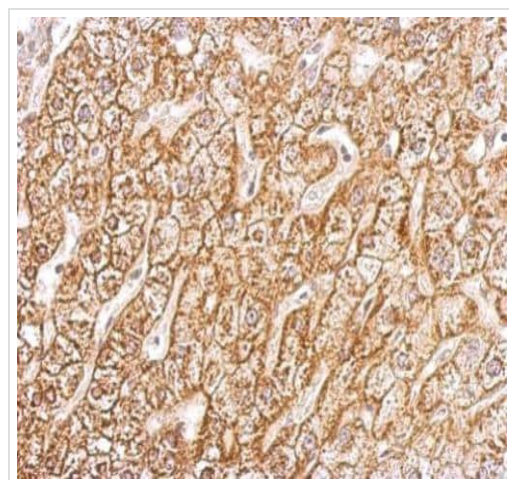
Sequence similarities

Belongs to the X(+)/potassium ATPases subunit beta family.

Cellular localization

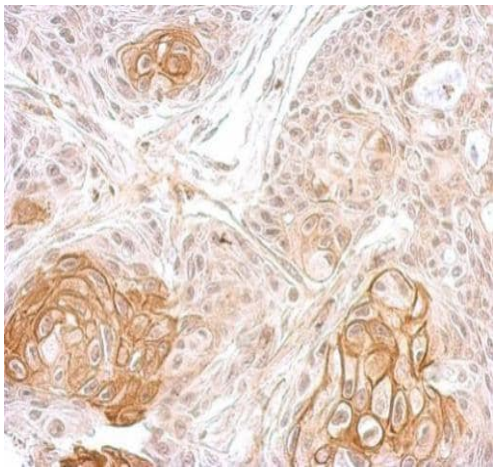
Membrane.

Images



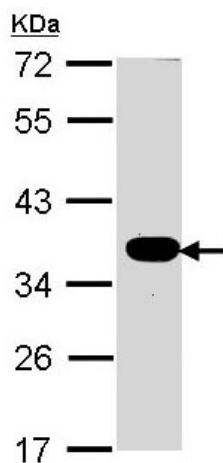
ab96292 detects ATP1B1 protein at membrane on human hepatoma by immunohistochemical analysis. Sample: Paraffin-embedded hepatoma tissue. Antibody dilution: 1:500

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATP1B1 antibody (ab96292)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATP1B1 antibody (ab96292)

ab96292 detects ATP1B1 protein at membrane on Cal27 (human) xenograft by immunohistochemical analysis. Sample: Paraffin-embedded Cal27 xenograft. Antibody dilution: 1:500

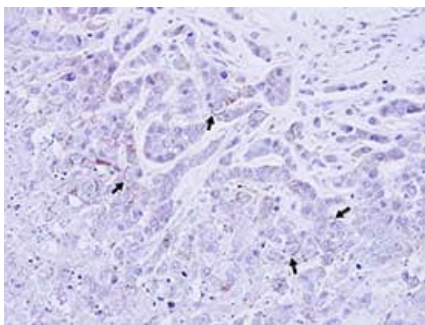


Western blot - Anti-ATP1B1 antibody (ab96292)

Anti-ATP1B1 antibody (ab96292) at 1/1000 dilution + MOLT4 whole cell lysate at 30 µg

Predicted band size: 35 kDa

10% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATP1B1 antibody (ab96292)

ab96292, at 1/100 dilution, staining beta Sodium Potassium ATPase in paraffin-embedded MDAMB468 (human) xenograft by Immunohistochemistry.

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

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