

Product datasheet

Anti-ATP1B1 antibody [EPR12195] ab193669

Recombinant **RabMAb**

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Overview

Product name	Anti-ATP1B1 antibody [EPR12195]
Description	Rabbit monoclonal [EPR12195] to ATP1B1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human fetal brain, fetal heart and fetal kidney lysates; Mouse brain and Rat heart lysates; Human renal adenocarcinoma tissue; Mouse liver tissue; Rat kidney tissue.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR12195
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab193669 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. Detects a band of approximately 45-50 kDa (predicted molecular weight: 35 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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.

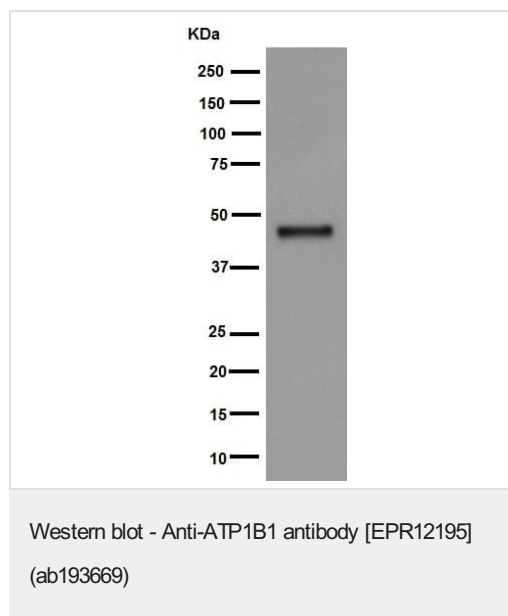
Sequence similarities

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

Cellular localization

Membrane.

Images



Anti-ATP1B1 antibody [EPR12195] (ab193669) at 1/10000 dilution
+ Human fetal brain lysate at 20 µg

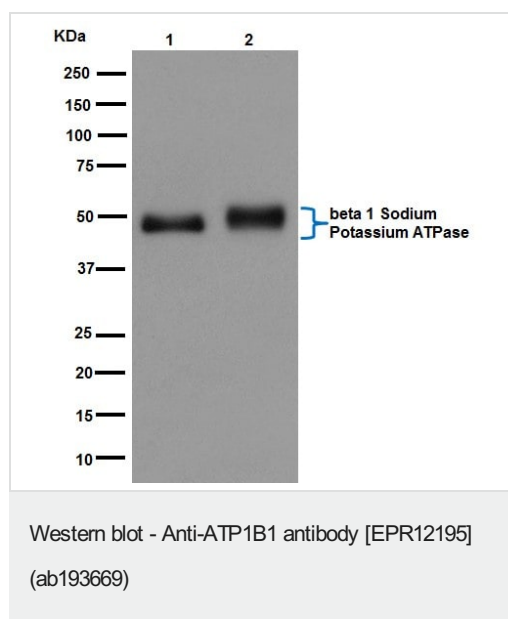
Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at
1/1000 dilution

Predicted band size: 35 kDa

Observed band size: 45-50 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.



All lanes : Anti-ATP1B1 antibody [EPR12195] (ab193669) at 1/1000 dilution

Lane 1 : Human fetal heart tissue lysate

Lane 2 : Human fetal kidney tissue lysate

Lysates/proteins at 20 µg per lane.

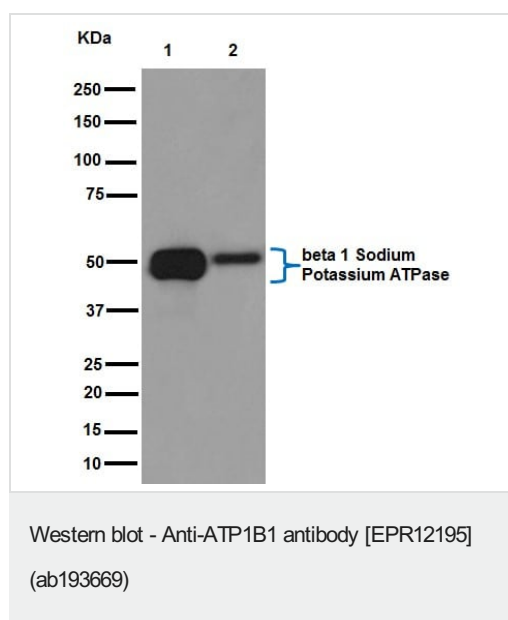
Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 35 kDa

Observed band size: 45-50 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-ATP1B1 antibody [EPR12195] (ab193669) at 1/1000 dilution

Lane 1 : Mouse brain tissue lysate

Lane 2 : Rat heart tissue lysate

Lysates/proteins at 10 µg per lane.

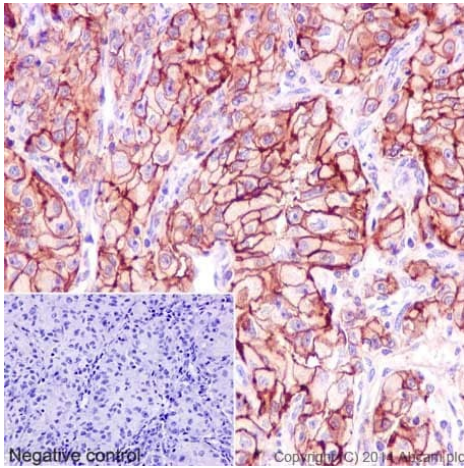
Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 35 kDa

Observed band size: 45-50 kDa

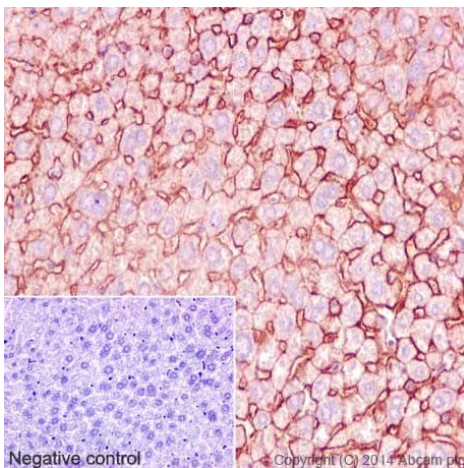
Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATP1B1 antibody [EPR12195] (ab193669)

Immunohistochemical analysis of paraffin-embedded Human renal adenocarcinoma tissue labeling ATP1B1 with ab193669 at 1/100 dilution (7.8µg/ml), followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin.

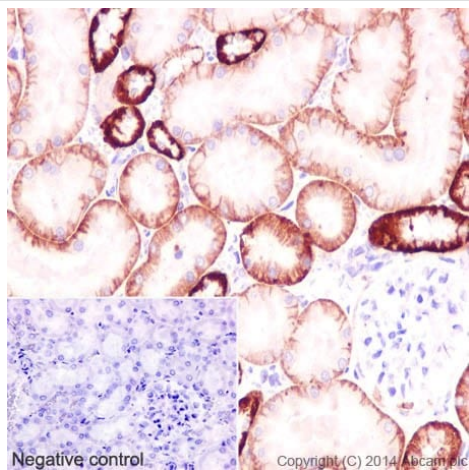
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATP1B1 antibody [EPR12195] (ab193669)

Immunohistochemical analysis of paraffin-embedded Mouse liver tissue labeling ATP1B1 with ab193669 at 1/100 dilution (7.8µg/ml), followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemical analysis of paraffin-embedded Rat kidney tissue labeling ATP1B1 with ab193669 at 1/100 dilution (7.8µg/ml), followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATP1B1 antibody [EPR12195] (ab193669)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-ATP1B1 antibody [EPR12195] (ab193669)

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

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