

Product datasheet

Anti-ATP6V1B1 + ATP6V1B2 antibody [EPR16401] ab200839

Recombinant RabMAb

3 References 10 Images

Overview

Product name	Anti-ATP6V1B1 + ATP6V1B2 antibody [EPR16401]
Description	Rabbit monoclonal [EPR16401] to ATP6V1B1 + ATP6V1B2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human ATP6V1B1 aa 450 to the C-terminus. The exact sequence is proprietary. Database link: P15313
Positive control	WB: JAR and RAW 264.7 cell lysates; Mouse brain, mouse kidney and rat kidney tissue lysates. IHC-P: Human, mouse and rat kidney tissues. ICC/IF: HEK293 and JAR cells.
General notes	

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

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, as well as customer reviews and Q&As.

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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16401
Isotype	IgG

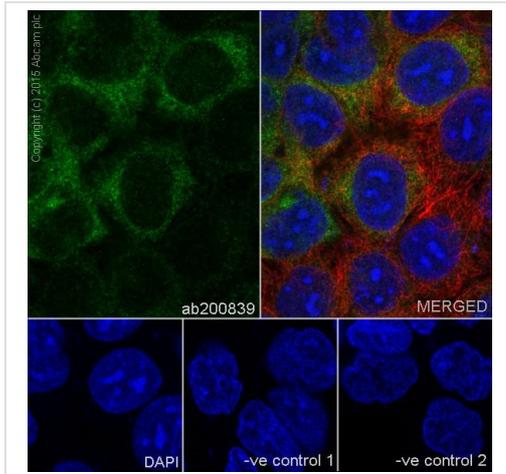
Applications

Our [Abpromise guarantee](#) covers the use of **ab200839** 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. Detects a band of approximately 57 kDa (predicted molecular weight: 57 kDa).
IHC-P		1/2500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/250.

Images



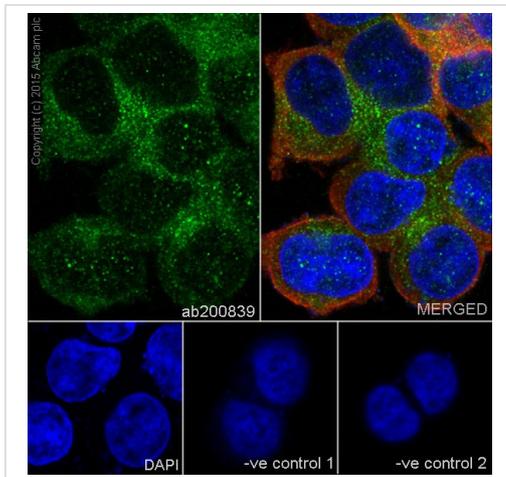
Immunocytochemistry/ Immunofluorescence - Anti-ATP6V1B1 + ATP6V1B2 antibody [EPR16401] (ab200839)

Immunofluorescent analysis of 100% methanol-fixed, 0.1% Triton X-100 permeabilized JAR (Human placenta choriocarcinoma cell line) cells labeling ATP6V1B1 + ATP6V1B2 with ab200839 at 1/250 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/500 dilution (green). Cytoplasmic staining on JAR cell line was observed. The nuclear counter stain is DAPI (blue). Tubulin is detected with ab7291 (anti-Tubulin mouse mAb) at 1/1000 dilution and ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).

The negative controls are as follows:

-ve control 1: ab200839 at 1/250 dilution followed by ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.

-ve control 2: ab7291 (anti-Tubulin mouse mAb) at 1/1000 dilution followed by ab150077 (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.



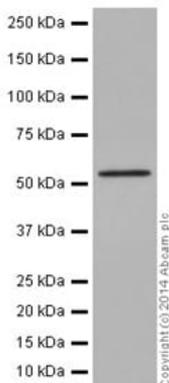
Immunocytochemistry/ Immunofluorescence - Anti-ATP6V1B1 + ATP6V1B2 antibody [EPR16401] (ab200839)

Immunofluorescent analysis of 100% methanol-fixed, 0.1% Triton X-100 permeabilized HEK293 (Human embryonic kidney) cells labeling ATP6V1B1 + ATP6V1B2 with ab200839 at 1/250 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/500 dilution (green). Cytoplasmic staining on HEK293 cell line was observed. The nuclear counter stain is DAPI (blue). Tubulin is detected with ab7291 (anti-Tubulin mouse mAb) at 1/1000 dilution and ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).

The negative controls are as follows:

-ve control 1: ab200839 at 1/250 dilution followed by ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.

-ve control 2: ab7291 (anti-Tubulin mouse mAb) at 1/1000 dilution followed by ab150077 (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.



Western blot - Anti-ATP6V1B1 + ATP6V1B2 antibody [EPR16401] (ab200839)

Anti-ATP6V1B1 + ATP6V1B2 antibody [EPR16401] (ab200839) at 1/5000 dilution + JAR (Human placenta choriocarcinoma cell line) cell lysate at 10 µg

Secondary

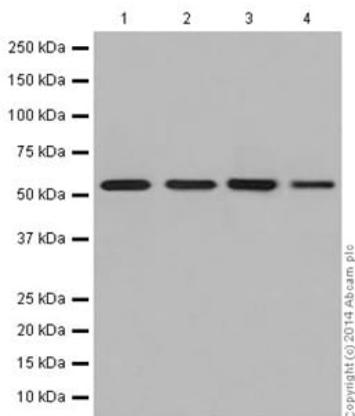
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 57 kDa

Observed band size: 57 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-ATP6V1B1 + ATP6V1B2 antibody [EPR16401] (ab200839)

All lanes : Anti-ATP6V1B1 + ATP6V1B2 antibody [EPR16401] (ab200839) at 1/1000 dilution

Lane 1 : Mouse brain lysate

Lane 2 : Mouse kidney lysate

Lane 3 : Rat kidney lysate

Lane 4 : RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

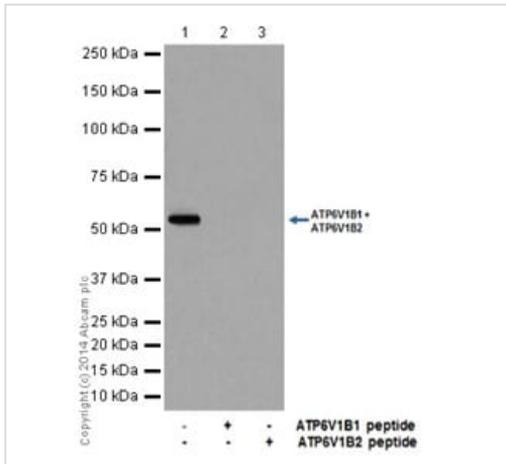
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 57 kDa

Observed band size: 57 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-ATP6V1B1 + ATP6V1B2 antibody [EPR16401] (ab200839)

All lanes : Anti-ATP6V1B1 + ATP6V1B2 antibody [EPR16401] (ab200839) at 1/1000 dilution

Lane 1 : JAR (Human placenta choriocarcinoma cell line) cell lysate

Lane 2 : JAR (Human placenta choriocarcinoma cell line) cell lysate with immunizing peptide

Lane 3 : JAR (Human placenta choriocarcinoma cell line) cell lysate with ATP6V1B2 peptide

Lysates/proteins at 10 µg per lane.

Secondary

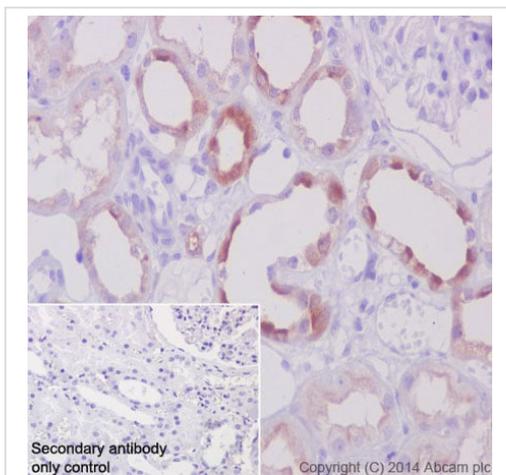
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 57 kDa

Observed band size: 57 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.

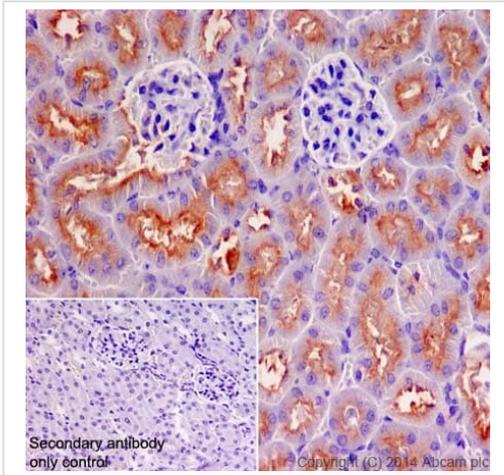


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATP6V1B1 + ATP6V1B2 antibody [EPR16401] (ab200839)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling ATP6V1B1 + ATP6V1B2 with ab200839 at 1/5000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) secondary antibody at 1/500 dilution. Cytoplasmic staining on Human kidney tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

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

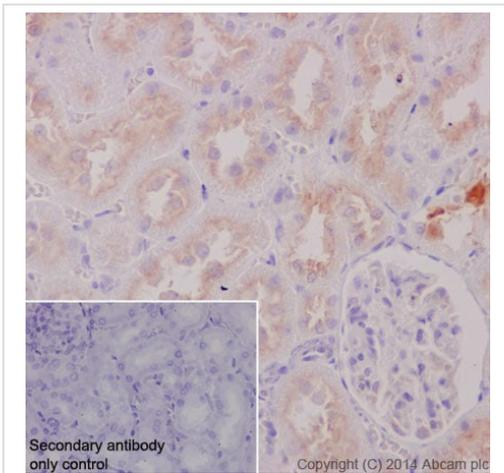


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATP6V1B1 + ATP6V1B2 antibody [EPR16401] (ab200839)

Immunohistochemical analysis of paraffin-embedded Mouse kidney tissue labeling ATP6V1B1 + ATP6V1B2 with ab200839 at 1/5000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) secondary antibody at 1/500 dilution. Cytoplasmic staining on mouse kidney tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

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

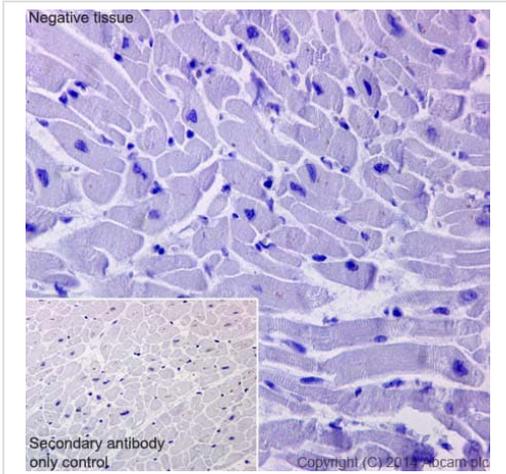


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATP6V1B1 + ATP6V1B2 antibody [EPR16401] (ab200839)

Immunohistochemical analysis of paraffin-embedded Rat kidney tissue labeling ATP6V1B1 + ATP6V1B2 with ab200839 at 1/5000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) secondary antibody at 1/500 dilution. Cytoplasmic staining on rat kidney tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

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-ATP6V1B1 + ATP6V1B2 antibody [EPR16401] (ab200839)

Immunohistochemical analysis of paraffin-embedded Human cardiac muscle tissue labeling ATP6V1B1 + ATP6V1B2 with ab200839 at 1/5000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) secondary antibody at 1/500 dilution. Human cardiac muscle tissue represents a negative control for ATP6V1B1 + ATP6V1B2. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

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

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-ATP6V1B1 + ATP6V1B2 antibody [EPR16401] (ab200839)

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

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