

Product datasheet

Anti-ATP6V0A1 antibody ab176858

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Overview

Product name	Anti-ATP6V0A1 antibody
Description	Rabbit polyclonal to ATP6V0A1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chicken, Cow, Xenopus laevis, Orangutan, Xenopus tropicalis

Immunogen Recombinant fragment corresponding to Human ATP6V0A1 aa 209-387.

Sequence:

```
PVTGDYVHKSVFIIFFQGDQLKNRVKKICEGFRASLYPCPE
TPQERKEMA
SGVNTRIDDLQMVNLNQTEDHRQRVLQAAAKNIRVWFIKVR
KMKAIYHTLN
LCNIDVTQKCLIAEVWCPVTDLDSIQFALRRGTEHSGSTVP
SILNRMQTN QTPPTYNKTNKFTYGFQNVDAYGIGTYR
```

Database link: [Q93050](#)

[Run BLAST with](#)

[Run BLAST with](#)

Positive control K562 cell lysate; Human fetal kidney tissue.

General notes

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	Lyophilized: Reconstitute with 200ul distilled sterile water. Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary.
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: 7.20 Preservative: 0.02% Sodium azide Constituents: 98% PBS, 1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab176858** in the following tested applications.

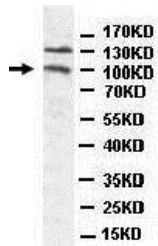
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/200 - 1/1000. Predicted molecular weight: 96 kDa.
IHC-P		1/100 - 1/500.

Target

Function	Required for assembly and activity of the vacuolar ATPase. Potential role in differential targeting and regulation of the enzyme for a specific organelle.
Sequence similarities	Belongs to the V-ATPase 116 kDa subunit family.
Cellular localization	Cytoplasmic vesicle membrane. Melanosome. Coated vesicle. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

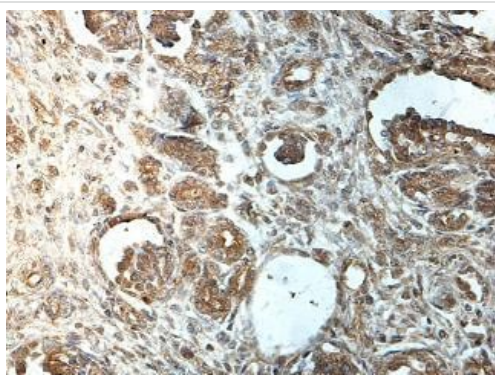
Images



Western blot - Anti-ATP6V0A1 antibody (ab176858)

Anti-ATP6V0A1 antibody (ab176858) at 1/500 dilution + K562 cell lysate

Predicted band size: 96 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATP6V0A1 antibody (ab176858)

Immunohistochemical analysis of formalin-fixed paraffin-embedded Human fetal kidney tissue labeling ATP6V0A1 with ab176858 at a 1/100 dilution.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors