Anti-TMEM16A antibody

**Overview**

**Product name**  
Anti-TMEM16A antibody

**Description**  
Rabbit polyclonal to TMEM16A

**Host species**  
Rabbit

**Tested applications**  
Suitable for: IHC-P

**Species reactivity**  
Reacts with: Human

Predicted to work with: Mouse, Rat

**Immunogen**  
Synthetic peptide within Human TMEM16A aa 400-500. The exact sequence is proprietary.  
Database link: Q5XXA6

**General notes**  
This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.

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.
Form: Liquid

Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze/thaw cycles.

Storage buffer:
- pH: 7.60
- Preservative: 0.1% Sodium azide
- Constituents: PBS, 1% BSA

Purity: Immunogen affinity purified

Clonality: Polyclonal

Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab53212 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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Target

Function: Acts as a calcium-activated chloride channel. Required for normal tracheal development.

Tissue specificity: Broadly expressed with higher levels in liver and skeletal muscle.

Sequence similarities: Belongs to the anoctamin family.

Domain: The region spanning the fifth and sixth transmembrane domains probably forms the pore-forming region.


Images

ab53212 (2µg/ml) staining TMEM16A in human liver (left panel) using an automated system (DAKO Autostainer Plus). Using this protocol there is strong staining of hepatocyte cell membrane. Sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffer EDTA pH 9.0 in a DAKO PT link. Slides were peroxidase blocked in 3% H2O2 in methanol for 10 mins. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 min and detected with Dako envision flex amplification kit for 30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that, for manual staining, optimization of primary
antibody concentration and incubation time is recommended. Signal amplification may be required.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human gastrointestinal stromal tumor labeling TMEM16A with ab53212.

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

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