




Product datasheet

Anti-Pannexin 1 antibody ab233479

5 Images

Overview

Product name	Anti-Pannexin 1 antibody
Description	Rabbit polyclonal to Pannexin 1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Orangutan 
Immunogen	Recombinant fragment (His-T7-tag) corresponding to Human Pannexin 1 aa 228-411. (Expressed in E.coli). Sequence: CMLGYFSLSSLSDEFVCSIKSGILRNDSTVPDQFQCKLIA VGIFQLLS VINLVVYVLLAPVVVYTLFVPFRQKTDVLKVYEILPTFDVLH FKSEGYND LSLYNLFLEENISEVKSYKCLKVLENIKSSGGQIDPMLLLTN LGMKMDV VDGTKPMSAEMREEQGNQTAELQGMNIDSETKAN Database link: Q96RD7 <div style="text-align: right;">  Run BLAST with  Run BLAST with </div>
Positive control	IHC-P: Human liver, liver cancer and kidney tissues. WB: SK-N-SH and U-87 MG cell lysates; Recombinant human Pannexin 1 protein.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>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.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been "predicted to work</p>

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: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	ab233479 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab233479** in the following tested applications.

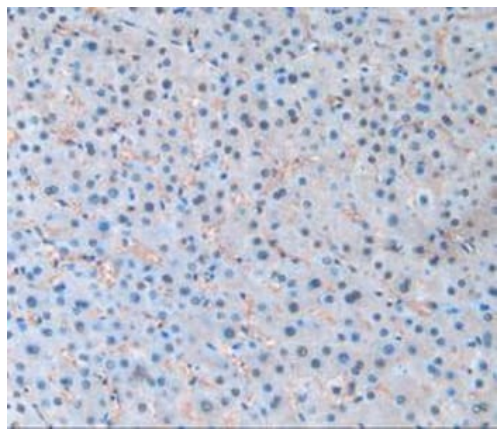
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 48 kDa.

Target

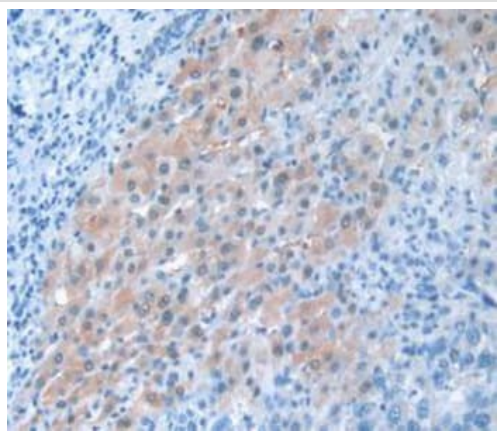
Function	Structural component of the gap junctions and the hemichannels. May play a role as a Ca(2+)-leak channel to regulate ER Ca(2+) homeostasis.
Sequence similarities	Belongs to the pannexin family.
Cellular localization	Cell membrane. Cell junction > gap junction. Endoplasmic reticulum membrane.

Images



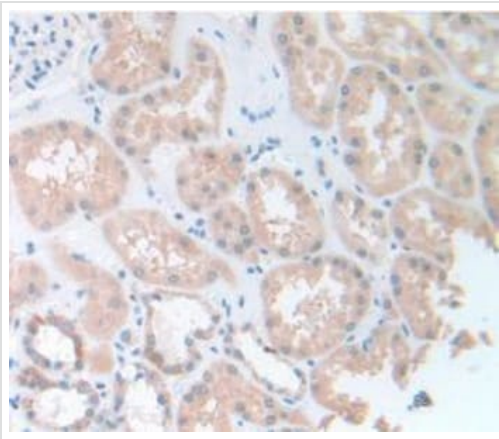
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Pannexin 1 antibody (ab233479)

Paraffin-embedded human liver tissue stained for Pannexin 1 using ab233479 at 20 $\mu\text{g}/\text{ml}$ in immunohistochemical analysis. DAB staining.



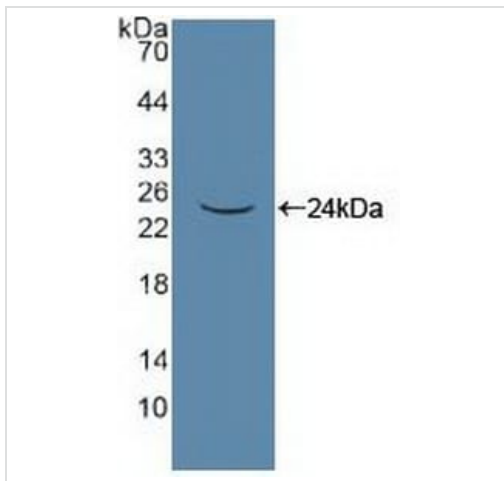
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Pannexin 1 antibody (ab233479)

Paraffin-embedded human liver cancer tissue stained for Pannexin 1 using ab233479 at 20 $\mu\text{g}/\text{ml}$ in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Pannexin 1 antibody (ab233479)

Paraffin-embedded human kidney tissue stained for Pannexin 1 using ab233479 at 20 µg/ml in immunohistochemical analysis. DAB staining.



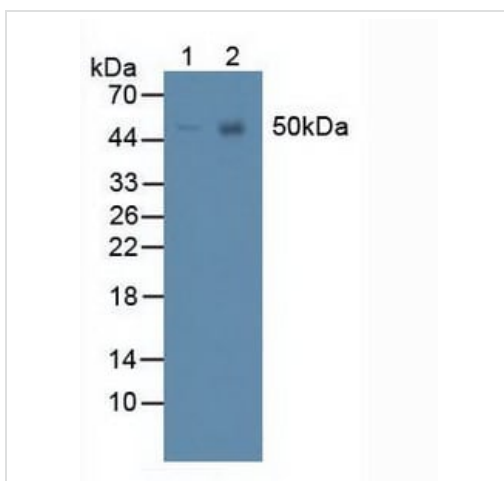
Western blot - Anti-Pannexin 1 antibody (ab233479)

Anti-Pannexin 1 antibody (ab233479) at 3 µg/ml + Recombinant human Pannexin 1 protein

Secondary

HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

Predicted band size: 48 kDa



Western blot - Anti-Pannexin 1 antibody (ab233479)

All lanes : Anti-Pannexin 1 antibody (ab233479) at 3 µg/ml

Lane 1 : SK-N-SH (human neuroblastoma cell line) cell lysate

Lane 2 : U-87 MG (human glioblastoma-astrocytoma epithelial cell line) cell lysate

Secondary

All lanes : HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

Predicted band size: 48 kDa

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

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