

## Product datasheet

### Anti-AQP11 antibody ab122821

★★★★★ [2 Abreviews](#) [2 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-AQP11 antibody
<b>Description</b>	Rabbit polyclonal to AQP11
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	antigen sequence: TLVGTSSNPC GVMMQMMLGG MSPETGAVRL LAQ, corresponding to amino acids 92-124 of Human AQP11. <a href="#">Run BLAST with Expasy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	Human kidney tissue.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab122821 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		1/20 - 1/50. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF	★★★★★ (1)	Use a concentration of 1 - 4 µg/ml. Recommend PFA Fixation and Triton X-100 treatment

## Target

### Function

Aquaporins facilitate the transport of water and small neutral solutes across cell membranes.

### Sequence similarities

Belongs to the MIP/aquaporin (TC 1.A.8) family. AQP11/AQP12 subfamily.

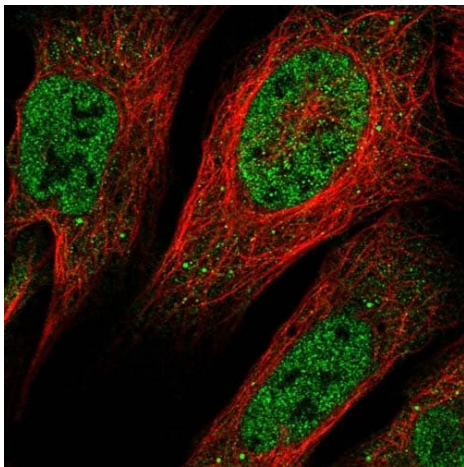
### Domain

Aquaporins contain two tandem repeats each containing three membrane-spanning domains and a pore-forming loop with the signature motif Asn-Pro-Ala (NPA).

### Cellular localization

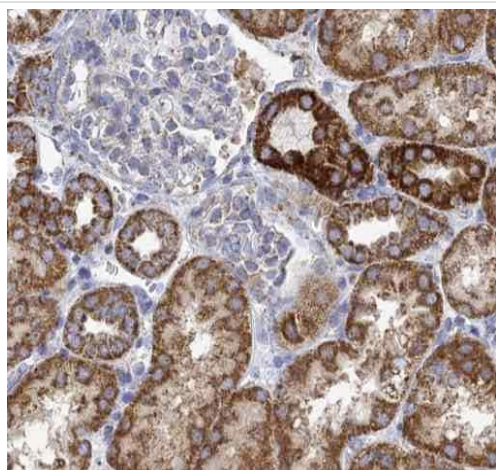
Membrane.

## Images



Immunofluorescent staining of Human cell line U-2 OS shows positivity in nucleus but not nucleoli and vesicles. Recommended concentration of ab122821 1-4 µg/ml. Cells treated with PFA/Triton X-100.

Immunocytochemistry/ Immunofluorescence - Anti-AQP11 antibody (ab122821)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AQP11 antibody (ab122821)

ab122821, at 1/20 dilution, staining AQP11 in paraffin-embedded Human kidney tissue by Immunohistochemistry.

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

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- 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
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- Extensive multi-media technical resources to help you
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