

## Product datasheet

# Anti-Aquaporin 9/AQP-9 antibody ab15127

## 4 References

### Overview

Product name	Anti-Aquaporin 9/AQP-9 antibody
Description	Rabbit polyclonal to Aquaporin 9/AQP-9
Host species	Rabbit
Tested applications	<b>Suitable for:</b> ELISA, WB
Species reactivity	<b>Reacts with:</b> Rat
Immunogen	Synthetic peptide corresponding to Rat Aquaporin 9/AQP-9 (C terminal). Database link: <a href="#">P56627</a>
General notes	<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

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Constituent: 40% Glycerol
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab15127 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
ELISA		
WB		

#### Application notes

ELISA: 1/10,000 - 1/50,000, or 0.5-1 ug/ml for affinity purified antibody. Control peptide can be used to coat ELISA plates at 1 ug/ml.

WB: 1/1000 - 1/5000, or 1-10 ug/ml for affinity purified antibody using ECL. Predicted molecular weight: 35.4 kDa.

Immunohistochemistry & Immunofluorescence: Neat serum can be used at 1:500 or more.

Control peptides, because of their low MW (<3kD), are not suitable for Western. It should be used for ELISA or antibody blocking to confirm antibody specificity

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

#### Target

##### Function

Forms a channel with a broad specificity. Mediates passage of a wide variety of non-charged solutes including carbamides, polyols, purines, and pyrimidines in a phloretin- and mercury-sensitive manner, whereas amino acids, cyclic sugars, Na(+), K(+), Cl(-), and deprotonated monocarboxylates are excluded. Also permeable to urea and glycerol.

##### Tissue specificity

Highly expressed in peripheral leukocytes. Also expressed in liver, lung, and spleen.

##### Sequence similarities

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

##### 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.

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