



[Go to Product page](#)

Datasheet for ABIN677123

## anti-AQP9 antibody (AA 201-295)

3 Images

2 Publications

### Overview

Quantity:	100 µL
Target:	AQP9
Binding Specificity:	AA 201-295
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AQP9 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human AQP9
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Sheep,Pig,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

### Target Details

Target:	AQP9
Alternative Name:	Aqp9 ( <a href="#">AQP9 Products</a> )

## Target Details

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Background:	Synonyms: SSC1, AQP-9, HsT17287, Aquaporin-9, Aquaglyceroporin-9, Small solute channel 1, AQP9 Background: 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.
Gene ID:	366
UniProt:	<a href="#">O43315</a>

## Application Details

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Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Publications

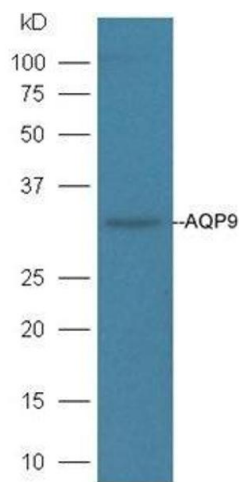
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Product cited in:	Vicente-Carrillo, Ekwall, Álvarez-Rodríguez, Rodríguez-Martínez: "Membrane Stress During Thawing Elicits Redistribution of Aquaporin 7 But Not of Aquaporin 9 in Boar Spermatozoa." in:
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**Reproduction in domestic animals = Zuchthygiene**, Vol. 51, Issue 5, pp. 665-79, (2016) ([PubMed](#)).

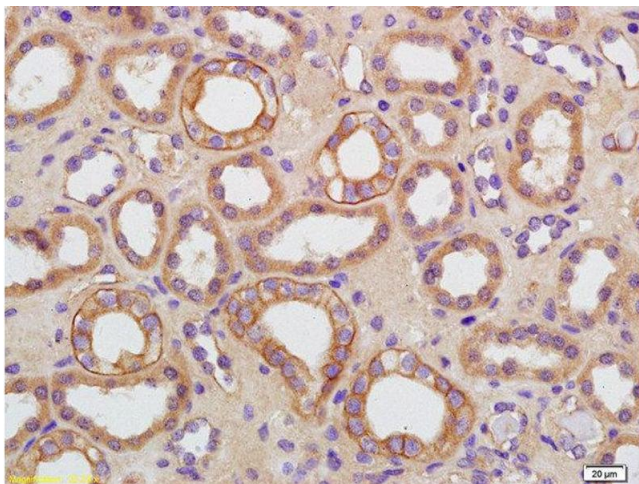
Chau, Ng, Chan, Cheng, Fong, Tam, Kwong, Tse: "Azacytidine sensitizes acute myeloid leukemia cells to arsenic trioxide by up-regulating the arsenic transporter aquaglyceroporin 9." in: **Journal of hematology & oncology**, Vol. 8, pp. 46, (2015) ([PubMed](#)).

## Images



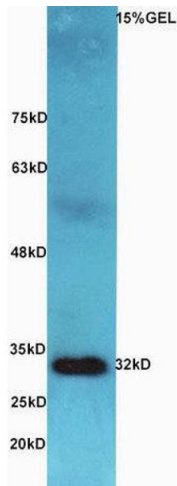
### Western Blotting

**Image 1.** Mouse liver lysates probed with Rabbit Anti-AQP9 Polyclonal Antibody, Unconjugated at 1:3000 for 90 min at 37°C.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Formalin-fixed and paraffin embedded human kidney labeled with Rabbit Anti-AQP9 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



### Western Blotting

**Image 3.** Lane 1: Mouse intestine lysates probed with Rabbit Anti-AQP9 Polyclonal Antibody, Unconjugated (ABIN677123) at 1:300 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:5000 for 90 min at 37 °C.