

ARG43209 anti-Aquaporin 9 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Aquaporin 9
Tested Reactivity	Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Aquaporin 9
Species	Rat
Immunogen	Synthetic peptide within aa. 250-294 of Rat Aquaporin 9 (NP_075249).
Conjugation	Un-conjugated
Alternate Names	AQP-9; SSC1; Aquaporin-9; Aquaglyceroporin-9; HsT17287; Small solute channel 1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100
	WB	1:500
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 32 kDa	

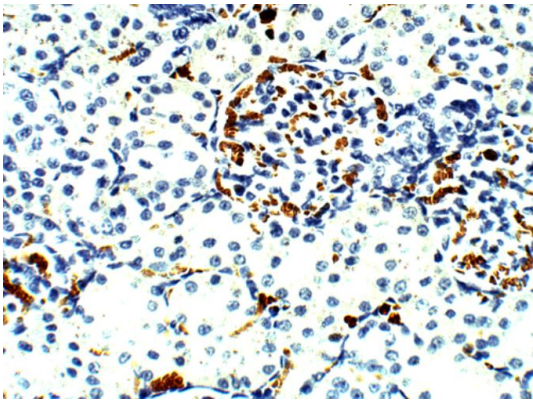
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	Tris, HCl/glycine buffer (pH 7.4 - 7.8), cryo-protective agents, Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	30% Glycerol and 0.5% BSA
Concentration	0.8 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

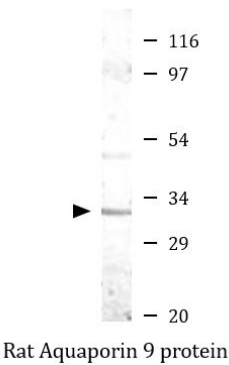
Gene Symbol	AQP9
Gene Full Name	aquaporin 9
Background	The aquaporins are a family of water-selective membrane channels. This gene encodes a member of a subset of aquaporins called the aquaglyceroporins. This protein allows passage of a broad range of noncharged solutes and also stimulates urea transport and osmotic water permeability. This protein may also facilitate the uptake of glycerol in hepatic tissue . The encoded protein may also play a role in specialized leukocyte functions such as immunological response and bactericidal activity. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]
Function	Forms a water channel with a broad specificity. Also permeable glycerol and urea. Mediates passage of a wide variety of small, non-charged solutes including carbamides, polyols, purines, and pyrimidines. [UniProt]
Calculated Mw	32 kDa
Cellular Localization	Membrane; Multi-pass membrane protein. [UniProt]

Images



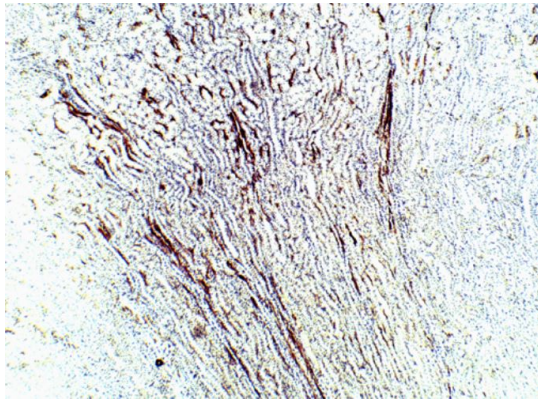
ARG43209 anti-Aquaporin 9 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Rat kidney tissue stained with ARG43209 anti-Aquaporin 9 antibody at 1:100 dilution. (40X magnification)



ARG43209 anti-Aquaporin 9 antibody WB image

Western blot: Rat Aquaporin 9 purified protein stained with ARG43209 anti-Aquaporin 9 antibody at 1:500 dilution.



ARG43209 anti-Aquaporin 9 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Rat kidney tissue stained with ARG43209 anti-Aquaporin 9 antibody at 1:100 dilution. (5X magnification)