

ARG43227
anti-Aquaporin 9 antibodyPackage: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Aquaporin 9
Tested Reactivity	Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Aquaporin 9
Species	Mouse
Immunogen	Synthetic peptide corresponding to aa. 263-278 of Mouse Aquaporin 9. (VLFIQMHHSNPDEVK)
Conjugation	Un-conjugated
Alternate Names	AQP-9; SSC1; Aquaporin-9; Aquaglyceroporin-9; HsT17287; Small solute channel 1

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 31 kDa	

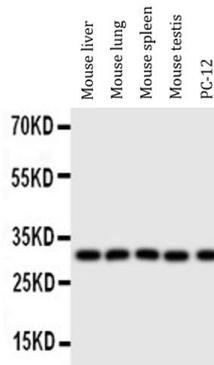
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 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 or below. 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



ARG43227 anti-Aquaporin 9 antibody WB image

Western blot: 50 μ g of Mouse liver, 50 μ g of Mouse lung, 50 μ g of Mouse spleen, 50 μ g of Mouse testis and 40 μ g of PC-12 whole cell lysates stained with ARG43227 anti-Aquaporin 9 antibody at 0.5 μ g/ml dilution.