

ARG58215 anti-Aquaporin 5 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Aquaporin 5
Tested Reactivity	Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Aquaporin 5
Species	Mouse
Immunogen	Synthetic peptide corresponding to a sequence at the C-terminus of Mouse AQP5(246-265aa EEDWEDHREERKKTIeltaH), identical to the related Rat sequence.
Conjugation	Un-conjugated
Alternate Names	Aquaporin-5; AQP-5; PPKB

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: By heat mediation. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

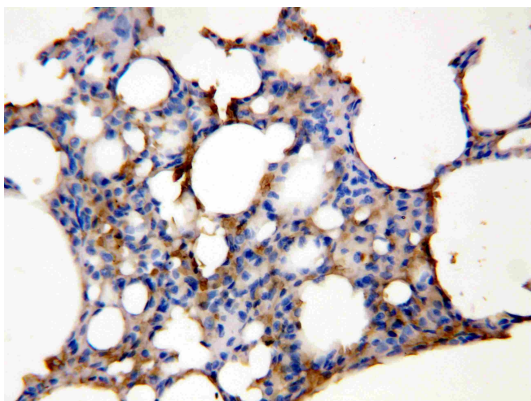
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 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

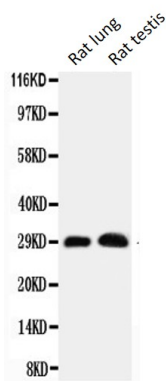
Gene Symbol	AQP5
Gene Full Name	aquaporin 5
Background	Aquaporin 5 (AQP5) is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 5 plays a role in the generation of saliva, tears and pulmonary secretions. AQP0, AQP2, AQP5, and AQP6 are closely related and all map to 12q13. [provided by RefSeq, Jul 2008]
Function	Forms a water-specific channel. Implicated in the generation of saliva, tears, and pulmonary secretions. Required for TRPV4 activation by hypotonicity. Together with TRPV4, controls regulatory volume decrease in salivary epithelial cells. [UniProt]
Calculated Mw	28 kDa
Cellular Localization	Membrane; Multi-pass membrane protein. [UniProt]

Images



ARG58215 anti-Aquaporin 5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat lung stained with ARG58215 anti-Aquaporin 5 antibody at 1 µg/ml dilution.



ARG58215 anti-Aquaporin 5 antibody WB image

Western blot: Rat lung and Rat testis lysates stained with ARG58215 anti-Aquaporin 5 antibody at 0.5 µg/ml dilution.