

ARG58188 anti-Aquaporin 5 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Aquaporin 5
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Aquaporin 5
Species	Human
Immunogen	Synthetic peptide derived from Human Aquaporin 5.
Conjugation	Un-conjugated
Alternate Names	Aquaporin-5; AQP-5; PPKB

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	SW480	
Observed Size	~ 28 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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.

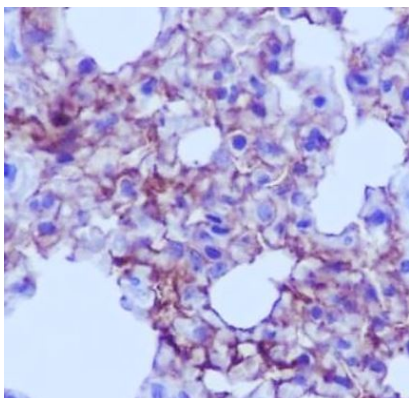
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

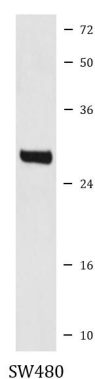
Gene Symbol	AQP5
Gene Full Name	aquaporin 5
Background	Aquaporin 5 (AQP5) is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 5 plays a role in the generation of saliva, tears and pulmonary secretions. 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	Apical cell membrane > Multi-pass membrane protein. [UniProt]

Images



ARG58188 anti-Aquaporin 5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse lung tissue stained with ARG58188 anti-Aquaporin 5 antibody.



ARG58188 anti-Aquaporin 5 antibody WB image

Western blot: SW480 cell lysate stained with ARG58188 anti-Aquaporin 5 antibody.