

Datasheet for ABIN731258

**anti-Aquaporin 5 antibody (AA 201-265)**

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## Overview

Quantity:	100 µL
Target:	Aquaporin 5 (AQP5)
Binding Specificity:	AA 201-265
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aquaporin 5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse AQP5
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

## Target Details

Target:	Aquaporin 5 (AQP5)
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## Target Details

Alternative Name:	Aquaporin 5 ( <a href="#">AQP5 Products</a> )
Background:	Synonyms: Aquaporin-5, AQP-5, Aqp5 Background: Forms a water-specific channel. Implicated in the generation of saliva, tears, and pulmonary secretions.
Gene ID:	11830
UniProt:	<a href="#">Q9WTY4</a>

## Application Details

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

## Handling

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

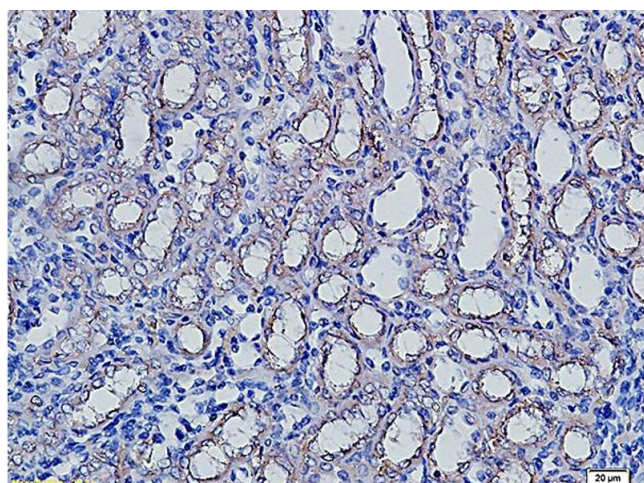
Product cited in:	Yi, Lee, Choi, Shin, Kim, Lim: "Single Cell Clones Purified from Human Parotid Glands Display
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Features of Multipotent Epitheliomesenchymal Stem Cells." in: **Scientific reports**, Vol. 6, pp. 36303, (2016) ([PubMed](#)).

Lim, Yi, Lee, Kim, Kim, Song, Kim: "Establishment and Characterization of Mesenchymal Stem Cell-like Clonal Stem Cells from Mouse Salivary Glands." in: **Tissue engineering. Part C, Methods**, (2014) ([PubMed](#)).

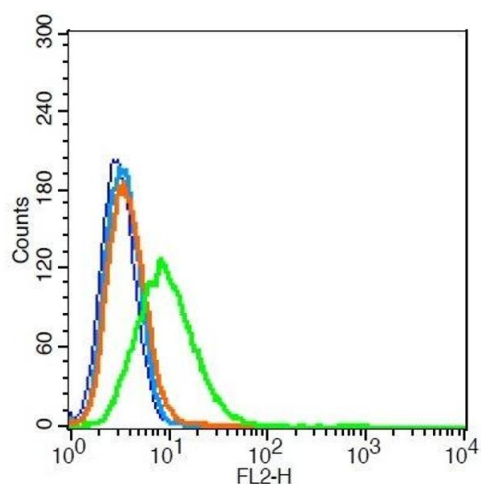
Wang, Li, Yang, Bai, Li, Li, Sun: "Expression of AQP5 and AQP8 in human colorectal carcinoma and their clinical significance." in: **World journal of surgical oncology**, Vol. 10, Issue 1, pp. 242, (2012) ([PubMed](#)).

## Images



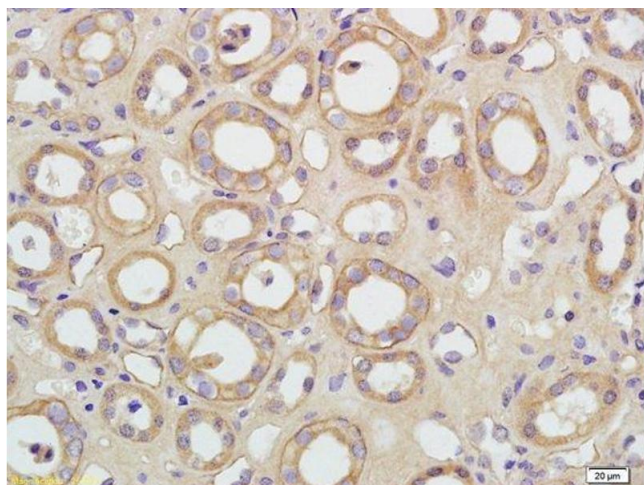
### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded rat kidney labeled with Anti-AQP5 Polyclonal Antibody, Unconjugated (ABIN731258) followed by conjugation to the secondary antibody and DAB staining



### Flow Cytometry

**Image 2.** A549 cells probed with AQP5 Polyclonal Antibody, Unconjugated at 1:20 for 30 minutes followed by incubation with a conjugated secondary -PE (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange)



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin embedded human kidney labeled with Rabbit Anti-AQP5 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN731258.