

For Research Use Only

AQP2 Polyclonal antibody

Catalog Number: 29386-1-AP



Basic Information

Catalog Number: 29386-1-AP	GenBank Accession Number: NM_000486	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 359	Recommended Dilutions: WB 1:500-1:2000 IHC 1:500-1:2000 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P41181	
Isotype: IgG	Full Name: aquaporin 2 (collecting duct)	
Immunogen Catalog Number: AG29931	Calculated MW: 29 kDa	
	Observed MW: 28-29, 35-38 kDa	

Applications

Tested Applications:

IF-P, IHC, WB, ELISA

Species Specificity:

Human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : 37°C incubated mouse kidney tissue,

IHC : mouse kidney tissue, human kidney tissue

IF : mouse kidney tissue,

Background Information

AQP2 (Aquaporin2) is a water channel protein that is widely distributed among mammalian tissues and plays a major role in water homeostasis. AQP2 is mainly found in the apical cell membranes of the kidney's collecting duct cells and is critical for urinary concentration. AQP2 can be glycosylated and this antibody recognizes the 28-29 kDa non-glycosylated as well as the 35-40 kDa glycosylated forms of AQP2.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

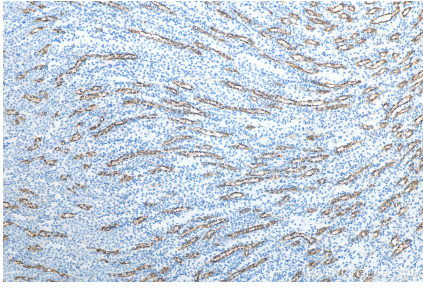
T: 4006900926

E: Proteintech-CN@ptglab.com

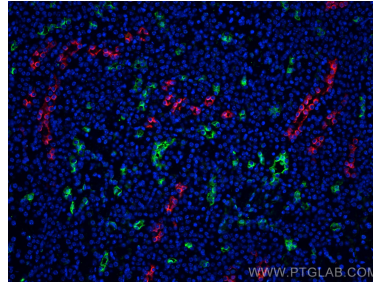
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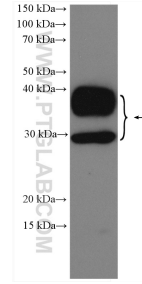
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 29386-1-AP (AQP2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using AQP2 antibody (29386-1-AP) at dilution of 1:200 and CoraLite® 594-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), AQP1 antibody (66805-1-Ig, Clone: 2E5D6, green).



37°C incubated mouse kidney tissue were subjected to SDS PAGE followed by western blot with 29386-1-AP (AQP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.