

AQP7 Polyclonal antibody

 Catalog Number: **25131-1-AP** **3 Publications**

Basic Information

Catalog Number: 25131-1-AP	GenBank Accession Number: BC062701	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 364	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: O14520	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: aquaporin 7	IHC 1:50-1:500
Immunogen Catalog Number: AG17945	Calculated MW: 342 aa, 37 kDa	
	Observed MW: 25-30 kDa, 40 kDa	

Applications

Tested Applications: WB, IP, IHC, ELISA	Positive Controls:
Cited Applications: IF, IHC	WB : mouse kidney tissue, mouse testis tissue
Species Specificity: human, mouse	IP : mouse kidney tissue,
Cited Species: mouse	IHC : human kidney tissue, mouse kidney tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

AQP7 is a member of the aquaporin family of water-selective membrane channels, localizes to the plasma membrane, and allows movement of water, glycerol and urea across cell membranes. AQP7 forms a channel that mediates water and glycerol transport across cell membranes at neutral pH. AQP7 is highly expressed in the adipose tissue(PMID: 9405233).

Notable Publications

Author	Pubmed ID	Journal	Application
Amy C Engevik	30144427	Gastroenterology	IF
Jingjing Da	37931516	Biomed Pharmacother	IHC
Sheng Gao	37410071	FASEB J	IF

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

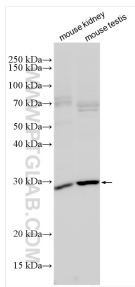
For technical support and original validation data for this product please contact:

T: 4006900926

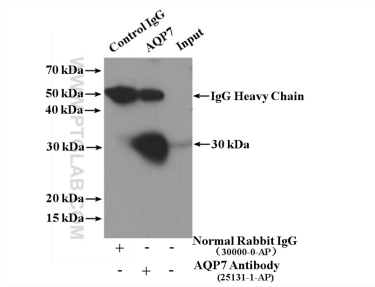
E: Proteintech-CN@ptglab.comW: ptgcn.com

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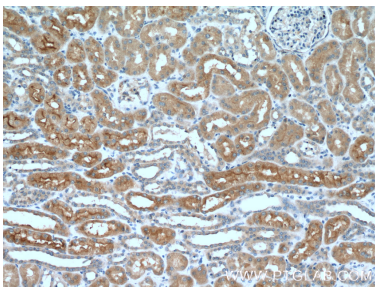
Selected Validation Data



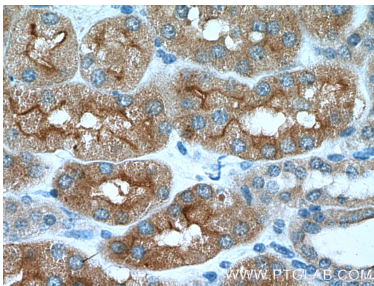
Various lysates were subjected to SDS PAGE followed by western blot with 25131-1-AP (AQP7 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-AQP7 (IP:25131-1-AP, 4ug; Detection:25131-1-AP 1:300) with mouse kidney tissue lysate 6500ug.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 25131-1-AP (AQP7 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 25131-1-AP (AQP7 Antibody) at dilution of 1:200 (under 40x lens).