

For Research Use Only

AQP9 Polyclonal antibody

Catalog Number: 20380-1-AP



Basic Information

Catalog Number: 20380-1-AP	GenBank Accession Number: BC026258	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI): 366	Recommended Dilutions: WB 1:500-1:3000 IHC 1:250-1:1000 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: O43315	
Isotype: IgG	Full Name: aquaporin 9	
Immunogen Catalog Number: AG14200	Calculated MW: 295 aa, 31 kDa	
	Observed MW: 31 kDa	

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

human, mouse, rat

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 : L02 cells, mouse brain tissue, rat brain tissue, mouse liver tissue, mouse lung tissue, mouse testis tissue, rat liver tissue, rat testis tissue

IHC : human liver tissue,

IF-P : human liver tissue, mouse brain tissue, mouse testis tissue

Background Information

Aquaporins (AQPs), also known as water channel proteins, are members of a large protein family that osmotically modulate water fluid homeostasis in several tissues. AQP9 (Aquaporin 9) is a member of the aquaporin family that acts as a water-selective membrane channel, and it may be involved in cell migration, angiogenesis, and tumor growth. AQP9 is involved in arsenic uptake in hepatocellular carcinoma cells, in which p38-MAPK may play a limited role. AQP9 was demonstrated to promote astrocytoma cell invasion and motility via the AKT pathway.

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

*** 20ul sizes contain 0.1% BSA

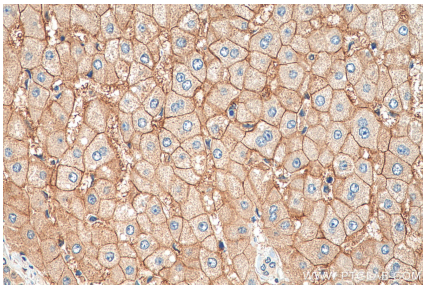
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

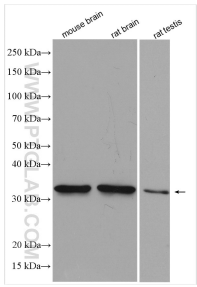
E: proteintech@ptglab.com
W: ptglab.com

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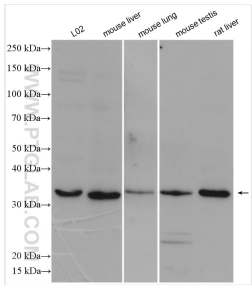
Selected Validation Data



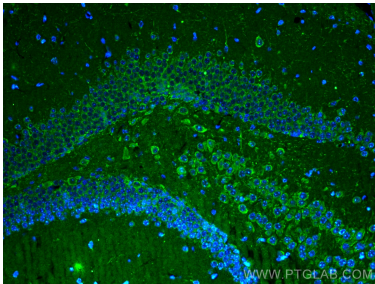
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 20380-1-AP (AQP9 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



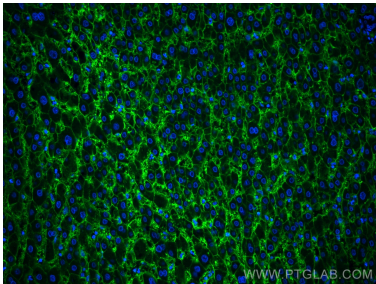
Various lysates were subjected to SDS PAGE followed by western blot with 20380-1-AP (AQP9 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



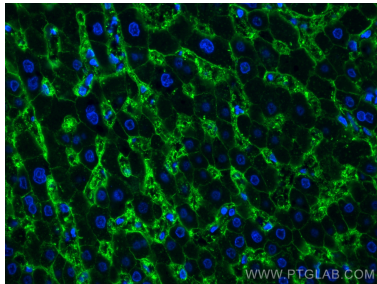
Various lysates were subjected to SDS PAGE followed by western blot with 20380-1-AP (AQP9 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using AQP9 antibody (20380-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human liver tissue using AQP9 antibody (20380-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human liver tissue using AQP9 antibody (20380-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).