

For Research Use Only

AQP9 Polyclonal antibody

Catalog Number: 20380-1-AP



Basic Information

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

Applications

Tested Applications:

IF, IHC, WB, 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: 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

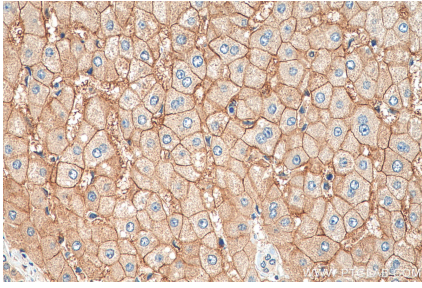
For technical support and original validation data for this product please contact:

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

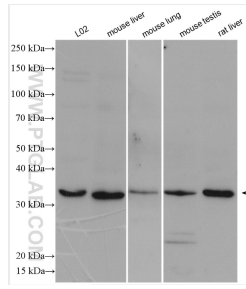
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

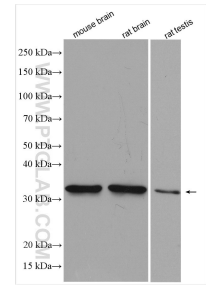
Selected Validation Data



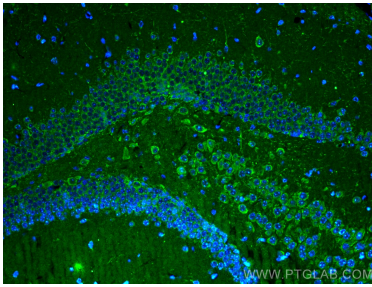
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 20380-1-AP (AQP9 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



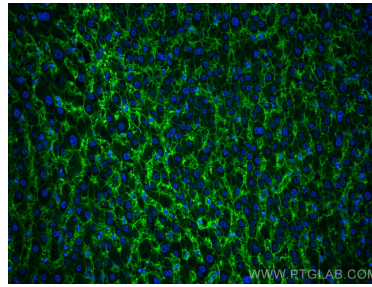
Various lysates were subjected to SDS PAGE followed by western blot with 20380-1-AP (AQP9 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



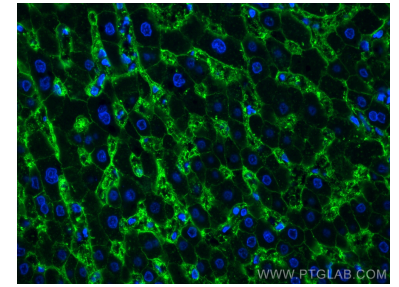
Various lysates were subjected to SDS PAGE followed by western blot with 20380-1-AP (AQP9 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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