

For Research Use Only

AQP9 Polyclonal antibody, PBS Only

Catalog Number: 20380-1-PBS



Basic Information

Catalog Number:

20380-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14200

GenBank Accession Number:

BC026258

GeneID (NCBI):

366

UNIPROT ID:

O43315

Full Name:

aquaporin 9

Calculated MW:

295 aa, 31 kDa

Observed MW:

31 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF-P, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS only, pH7.3

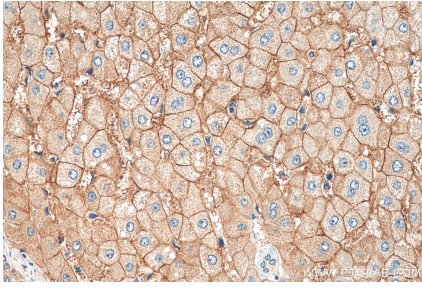
For technical support and original validation data for this product please contact:

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

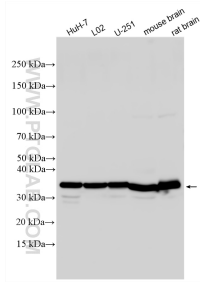
E: proteintech@ptglab.com
W: ptglab.com

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

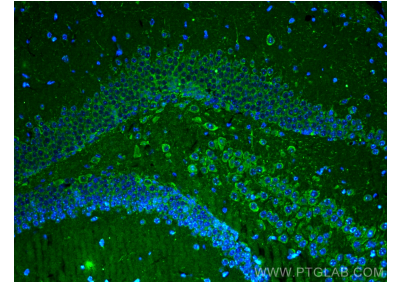
Selected Validation Data



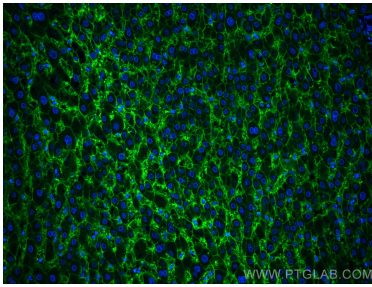
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 20380-1-AP (AQP9 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20380-1-PBS in a different storage buffer formulation.



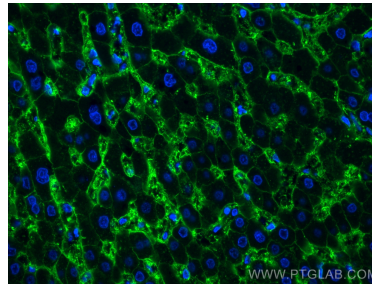
Various lysates were subjected to SDS PAGE followed by western blot with 20380-1-AP (AQP9 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20380-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 20380-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 20380-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 20380-1-PBS in a different storage buffer formulation.