

Nur für Forschungszwecke

Aquaporin 4 Polyklonaler Antikörper



Katalog-Nr.:16473-1-AP

Vorgestelltes Produkt

55 Publikationen

Allgemeine Informationen

Katalog-Nr.:

16473-1-AP

Größe:

150ul , Konzentration: 700 µg/ml von Nanodrop;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG9561

GenBank-Zugangsnummer:

BC022286

GeneID (NCBI):

361

Vollständiger Name:

aquaporin 4

Berechnete Masse:

323 aa, 35 kDa

Beobachtete Masse:

35-37 kDa, 32-34 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:2000

IP 0.5-4.0 µg für IP und 1:200-1:1000 für WB

IHC 1:100-1:2500

IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

FC, IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Hausschwein, Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : Mausherzgewebe, Maushirngewebe, Mausnierengewebe, Rattenhirngewebe, SKOV-3-Zellen

IP : Mausherzgewebe,

IHC : Maushirngewebe, humanes Hirngewebe, humanes Nierengewebe, Mausherzgewebe, Rattenhirngewebe

IF : Rattenhirngewebe, Maushirngewebe

Hintergrundinformationen

Aquaporins are specialized water transport channels in plasma membranes of water-permeable tissues. Aquaporin-4 (AQP4) is the most abundant water channel in the human central nervous system and is important to fluid movements in brain. Aquaporin-4 exists as two isoforms, a long (M1) isoform with translation initiation at Met-1, and a shorter (M23) isoform with translation initiation at Met-23, with molecular weights around 35-37 kDa and 32-34 kDa, respectively.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Chengcheng Zhang	26459070	Mol Med Rep	IF
Xue Ma	34526069	J Neuroinflammation	IF
Jiajun Cai	36115513	Brain Res Bull	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

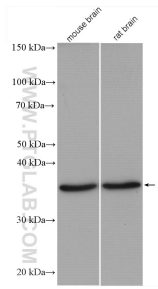
For technical support and original validation data for this product please contact:

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

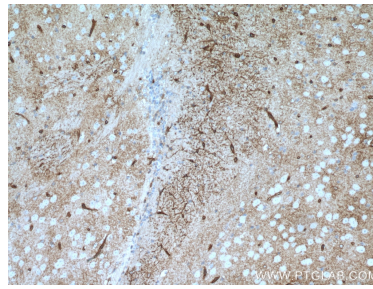
E: proteintech@ptglab.com
W: ptglab.com

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

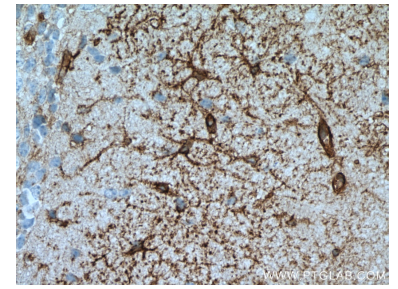
Ausgewählte Validierungsdaten



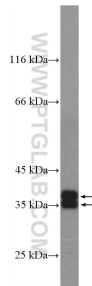
Various lysates were subjected to SDS PAGE followed by western blot with 16473-1-AP (Aquaporin 4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



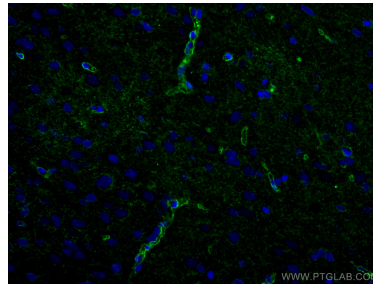
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16473-1-AP (Aquaporin 4 antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



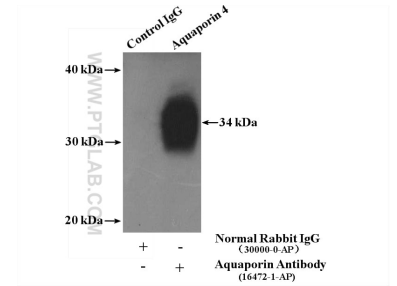
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16473-1-AP (Aquaporin 4 antibody) at dilution of 1:2000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



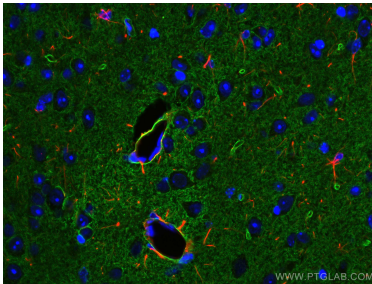
mouse heart tissue were subjected to SDS PAGE followed by western blot with 16473-1-AP (Aquaporin 4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



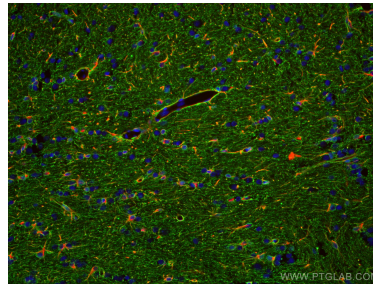
Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using Aquaporin 4 antibody (16473-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-Aquaporin 4 (IP:16473-1-AP, 4ug; Detection:16473-1-AP 1:300) with mouse heart tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Aquaporin 4 antibody (16473-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), GFAP antibody (60190-1-Ig, Clone: 4B2E10, red).



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using Aquaporin 4 antibody (16473-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), GFAP antibody (60190-1-Ig, Clone: 4B2E10, red).