

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-Aquaporin 4



Numéro de catalogue: 16473-1-AP

Phare

57 Publications

## Informations de base

Numéro de catalogue:

16473-1-AP

Taille:

150ul, Concentration: 700 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG9561

Numéro d'acquisition GenBank:

BC022286

Identification du gène (NCBI):

361

Nom complet:

aquaporin 4

MW calculé

323 aa, 35 kDa

MW observés:

35-37 kDa, 32-34 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:2000-1:10000

IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB

IHC 1:100-1:2500

IF 1:50-1:500

## Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

FC, IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, porc, rat, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : tissu hépatique de souris, cellules SKOV-3, tissu cardiaque de rat, tissu cardiaque de souris, tissu cérébral de rat, tissu cérébral de souris, tissu rénal de souris

IP : tissu cardiaque de souris,

IHC : tissu cérébral de souris, tissu cardiaque de souris, tissu cérébral de rat, tissu cérébral humain, tissu rénal humain

IF : tissu cérébral de rat, tissu cérébral de souris

## Informations générales

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.

## Publications notables

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

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

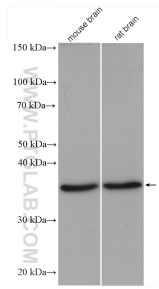
For technical support and original validation data for this product please contact:

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

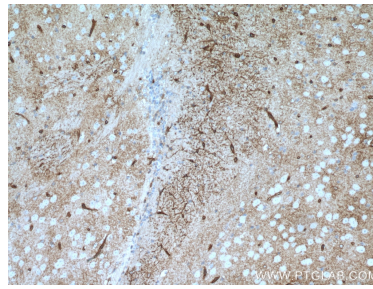
E: proteintech@ptglab.com  
W: ptglab.com

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

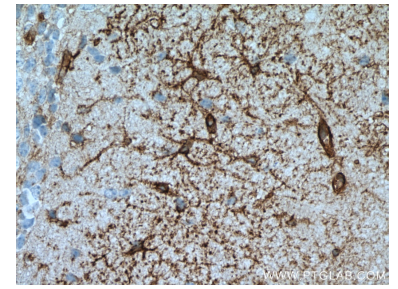
## Données de validation sélectionnées



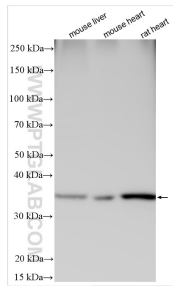
Various lysates were subjected to SDS PAGE followed by western blot with 16473-1-AP (Aquaporin 4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



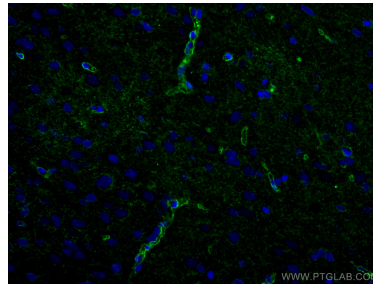
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16473-1-AP (Aquaporin 4 antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



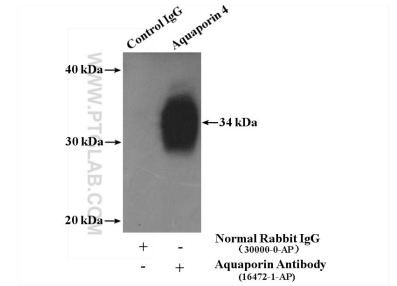
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16473-1-AP (Aquaporin 4 antibody) at dilution of 1:2000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



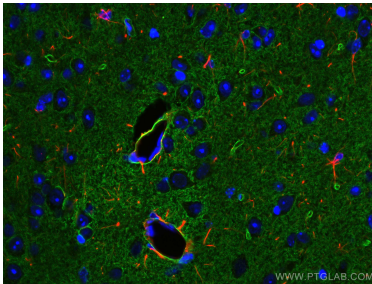
Various lysates were subjected to SDS PAGE followed by western blot with 16473-1-AP (Aquaporin 4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



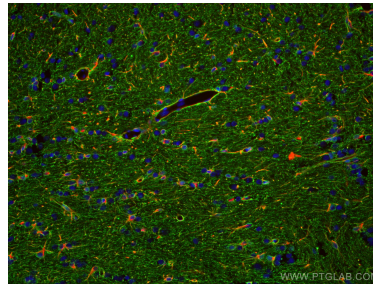
Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using Aquaporin 4 antibody (16473-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).