For Research Use Only

Aquaporin 4 Polyclonal antibody

Catalog Number:16473-1-AP

Featured Product

100 Publications

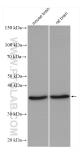


Basic Information	Catalog Number: 16473-1-AP	GenBank Accession Nu BC022286	mber:	Purification Method: Antigen affinity purification
	Size: 150ul, Concentration: 700 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG9561	GeneID (NCBI): 361 UNIPROT ID: P55087 Full Name: Aquaporin 4 Calculated MW: 323 aa, 35 kDa Observed MW: 35-37 kDa, 32-34 kDa		Recommended Dilutions: WB 1:2000-1:10000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:100-1:2500 IF-P 1:50-1:500
A 11 41	Tested Applications:		Pacitivo Cont	rol et
Applications	Tested Applications: WB, IHC, IF-P, IP, ELISA Cited Applications: WB, IHC, IF, IP		Positive Controls: WB : mouse liver tissue, SKOV-3 cells, mouse kidney tissue, mouse heart tissue, mouse brain tissue, rat brain tissue, rat heart tissue	
	Species Specificity: human, mouse, rat Cited Species:			art tissue, rain tissue, human brain tissue, rat brai heart tissue, human kidney tissue
	human, mouse, rat, pig Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			
	retrieval may be performed w			
Background Information	retrieval may be performed w buffer pH 6.0 Aquaporins are specialized water tra 4 (AQP4) is the most abundant water movements in brain. Aquaporin-4 ex	r ith citrate nsport channels in plasm channel in the human ce ists as two isoforms, a lo	entral nervous ong (M1) isofor	of water-permeable tissues. Aquaporir system and is important to fluid m with translation initiation at Met-1, cular weights around 35-37 kDa and 32
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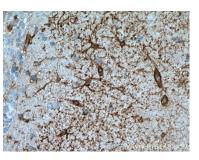
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.com

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Selected Validation Data



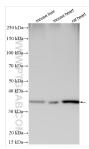
Various lysates were subjected to SDS PAGE followed by western blot with 16473-1-AP (Aquaporin 4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



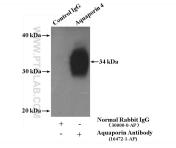
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 16473-1-AP (Aquaporin 4 antibody) at dilution of 1:2000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



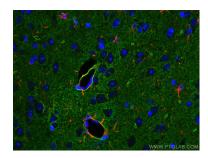
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 16473-1-AP (Aquaporin 4 antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



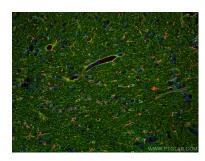
Various lysates were subjected to SDS PAGE followed by western blot with 16473-1-AP (Aquaporin 4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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 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 Goat Anti-Rabbit IgG(H+L), GFAP antibody (60190-1-Ig, Clone: 4B2E10, red).