For Research Use Only

Kv4.2 Polyclonal antibody Catalog Number:21298-1-AP Featured Product

Featured Product





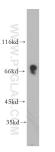
Basic Information	Catalog Number: 21298-1-AP	GenBank Accession Number: BC110449	Purification Method: Antigen affinity purification			
	Size:	GenelD (NCBI):	Recommended Dilutions:			
	150ul , Concentration: 600 ug/ml by	3751	WB 1:500-1:2000			
	Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	UNIPROT ID:	IHC 1:50-1:500			
		Q9NZV8	IF-P 1:50-1:500			
	Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG15879	Full Name: potassium voltage-gated channel, Shal-related subfamily, member 2 Calculated MW: 630 aa, 71 kDa				
				Observed MW:		
				70-80 kDa		
				Applications	Tested Applications:	Positive C
		Apprications	WB, IHC, IF-P, ELISA	WB: A549	WB : A549 cells, DU 145 cells, HeLa cells	
			Cited Applications:	IHC : mouse brain tissue, IF-P : mouse brain tissue,		
WB, IHC, IF						
Species Specificity: human, mouse, rat						
Cited Species:						
mouse, rat						
Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ	vely, antigen					
	retrieval may be performed w buffer pH 6.0	ith citrate				
Background Information	buffer pH 6.0 Voltage-gated potassium or Kv chann currents, are known to regulate cardia Voltage-gated potassium channel sul family and D (Shal) subfamily. It is a	els, specifically those mediating l ac and neuronal membrane excitab punit Kv4.2, encoded by the KCND2 pore-forming alpha subunit of volt xpressed in the brain (PMID: 1055:	gene, belongs to the potassium channel age-gated rapidly inactivating A-type 1270). It is a major constituent of A-type			
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

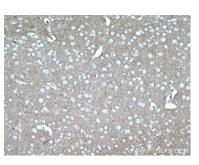
Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

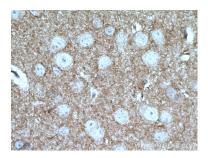
1.5 hours.



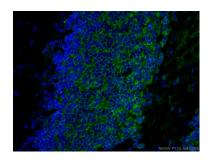
A 549 cells were subjected to SDS PAGE followed by western blot with 21298-1-AP (Kv4.2 antibody) at dilution of 1:300 incubated at room temperature for



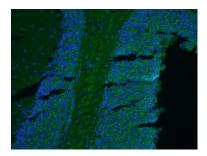
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 21298-1-AP (Kv4.2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



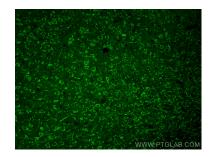
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 21298-1-AP (Kv4.2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 21298-1-AP (Kv4.2 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 21298-1-AP (Kv4,2 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Kv4.2 antibody (21298-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).