For Research Use Only

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

Featured Product





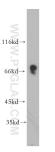
Basic Information	Catalog Number: 21298-1-AP	GenBank Accession Number: BC 110449	Purification Method: Antigen affinity purification	
	Size:	GeneID (NCBI):	Recommended Dilutions:	
	150ul , Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	3751	WB: 1:500-1:2000	
		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 Controls:
WB, IHC, IF-P, ELISA	WB : A549 cells, DU 145 cells, HeLa cells			
Cited Applications:	IHC : mouse		IHC : mouse brain tissue, IF-P : mouse brain tissue,	
WB, IHC, IF	IF-P : mous			
Species Specificity: human, mouse, rat				
Cited Species:				
human, mouse, rat				
Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ				
	retrieval may be performed w buffer pH 6.0			
Background Information	retrieval may be performed w 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	ith citrate els, specifically those mediating lo ac and neuronal membrane excitabi punit Kv4.2, encoded by the KCND2 g pore-forming alpha subunit of volta expressed in the brain (PMID: 10551)	lity, respectively (PMID: 12829703). gene, belongs to the potassium channel ge-gated rapidly inactivating A-type 270). It is a major constituent of A-type	
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## Selected Validation Data

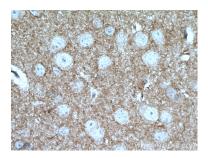
1.5 hours.



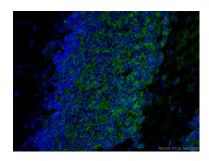
A 549 cells were subjected to SDS PAGE followed by western blot with 21298-1-AP (Kv4.2 antibody) at dilution of 1:300 incubated at room temperature for



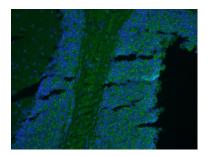
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 21298-1-AP (Kv4.2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



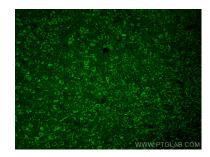
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 21298-1-AP (Kv4.2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).