For Research Use Only

Calsequestrin 2 Polyclonal antibody

Catalog Number:18422-1-AP

Featured Product

16 Publications

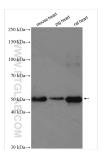


Basic Information	Catalog Number: 18422-1-AP	GenBank Accession Numb BC022288	er: Purification Method: Antigen affinity purificatio	'n	
	Size:	GenelD (NCBI):	Recommended Dilutions:		
	150ul , Concentration: 500 ug/ml by	845	WB 1:2000-1:16000		
	Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;	UNIPROT ID: 014958	IHC 1:50-1:500 IF/ICC 1:50-1:500		
	Source: Rabbit	Full Name:			
		•	calsequestrin 2 (cardiac muscle)		
	Isotype: IgG	Calculated MW: 46 kDa			
	Immunogen Catalog Number: AG13246	Observed MW: 50 kDa			
Applications	Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:			
	Cited Applications: WB, IHC, IF	WD: mouse		heart tissue, human heart tissue, human Iscle tissue, pig heart tissue, rat heart tissue	
	Species Specificity:		C : human heart tissue, human kidney ti ary tissue, human placenta tissue, huma	heart tissue, human kidney tissue, humar	
	human, mouse, rat, pig	tissue, human spleen tissue			
	Cited Species: human, mouse, pig	IF/ICC : C2C12 cell,			
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
Background Information	and cardiac muscle; the cardiac form of the sarcoplasmic reticulum Ca2+ i open probability of ryanodine recept	(CASQ2) is encoded by a secons, but another role for CA ons, but another role for CA or 2 (RyR2). Mutations in CA nolaminergic polymorphic	ly in junctional sarcoplasmic reticulum parate gene. The primary role of CASQ SQ2 has emerged recently: CASQ2 regu SQ2 cause stress-induced polymorphic ventricular tachycardia 2 (CPVT2), a dis lead to cardiac arrest.	2 is buffering Ilates the ventricular	
	and cardiac muscle; the cardiac form of the sarcoplasmic reticulum Ca2+ i open probability of ryanodine recept tachycardia, also referred to as cated characterized by bidirectional ventric	(CASQ2) is encoded by a se ons, but another role for CA or 2 (RyR2). Mutations in CA nolaminergic polymorphic rular tachycardia that may	parate gene. The primary role of CASQ SQ2 has emerged recently: CASQ2 regu SQ2 cause stress-induced polymorphic ventricular tachycardia 2 (CPVT2), a dis ead to cardiac arrest.	2 is buffering Ilates the ventricular ease	
	and cardiac muscle; the cardiac form of the sarcoplasmic reticulum Ca2+ is open probability of ryanodine recept tachycardia, also referred to as cated characterized by bidirectional ventric	(CASQ2) is encoded by a secons, but another role for CA on 2 (RyR2). Mutations in CA nolaminergic polymorphic cular tachycardia that may omed ID Journal	parate gene. The primary role of CASQ SQ2 has emerged recently: CASQ2 regu SQ2 cause stress-induced polymorphic ventricular tachycardia 2 (CPVT2), a dis ead to cardiac arrest.	2 is buffering Ilates the ventricular ease	
Background Information	and cardiac muscle; the cardiac form of the sarcoplasmic reticulum Ca2+ i open probability of ryanodine recept tachycardia, also referred to as cated characterized by bidirectional ventric Author Pu Yingchao Shi 35	(CASQ2) is encoded by a secons, but another role for CA for 2 (RyR2). Mutations in CA nolaminergic polymorphic sular tachycardia that may be dID Journal 167494 JCI Insign	parate gene. The primary role of CASQ SQ2 has emerged recently: CASQ2 regu SQ2 cause stress-induced polymorphic ventricular tachycardia 2 (CPVT2), a dis ead to cardiac arrest.	2 is buffering Ilates the ventricular ease	
	and cardiac muscle; the cardiac form of the sarcoplasmic reticulum Ca2+ i open probability of ryanodine recept tachycardia, also referred to as cated characterized by bidirectional ventric Author Pu Yingchao Shi 35 Efrat Kurtzwald-Josefson 28	(CASQ2) is encoded by a secons, but another role for CA ons, but another role for CA to 2 (RyR2). Mutations in CA nolaminergic polymorphic sular tachycardia that may omed ID Journal 167494 JCI Insign	parate gene. The primary role of CASQ SQ2 has emerged recently: CASQ2 regu SQ2 cause stress-induced polymorphic ventricular tachycardia 2 (CPVT2), a dis ead to cardiac arrest.	2 is buffering Ilates the ventricular ease	
	and cardiac muscle; the cardiac form of the sarcoplasmic reticulum Ca2+ i open probability of ryanodine recept tachycardia, also referred to as cated characterized by bidirectional ventric Author Pu Yingchao Shi 35 Efrat Kurtzwald-Josefson 28	(CASQ2) is encoded by a secons, but another role for CA on 2 (RyR2). Mutations in CA nolaminergic polymorphic cular tachycardia that may omed ID Journal 167494 JCI Insign 336343 Heart Rhy 2990403 JCI Insign er shipment.	parate gene. The primary role of CASQ SQ2 has emerged recently: CASQ2 regu SQ2 cause stress-induced polymorphic ventricular tachycardia 2 (CPVT2), a dis ead to cardiac arrest.	2 is buffering Ilates the ventricular ease	

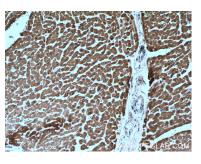
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.com

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

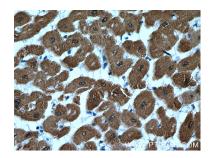
Selected Validation Data



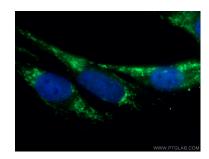
Various lysates were subjected to SDS PAGE followed by western blot with 18422-1-AP (Calsequestrin 2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human heart tissue slide using 18422-1-AP (Calsequestrin 2 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffinembedded human heart tissue slide using 18422-1-AP (Calsequestrin 2 antibody at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed C2C 12 cell using 18422-1-AP (Calsequestrin 2 antibody) at dilution of 1:50 and Alexa Fluor 488conjugated Goat Anti-Rabbit IgG(H+L).