For Research Use Only

Cardiac Troponin I Monoclonal antibody proteintech®

Catalog Number:66376-1-lg 22 Publications

Basic Information	Catalog Number: 66376-1-lg	GenBank Accession Num BC096165		Purification Method: Protein G purification	
	Size:	GenelD (NCBI):		CloneNo.:	
	150ul , Concentration: 1000 ug/ml by			1D5D6	
	Nanodrop;	UNIPROT ID: P19429		Recommended Dilutions: WB: 1:5000-1:50000	
	Source:				
	Mouse	Full Name:		IHC: 1:50-1:500	
	Isotype: IgG1 Immunogen Catalog Number: AG16758	troponin I type 3 (cardiac)		IF-P: 1:200-1:800	
		Calculated MW: 210 aa, 24 kDa			
					Observed MW: 26-28 kDa
		Applications	Tested Applications:	Positive Controls:	
WB, IHC, IF-P, ELISA				WB : human heart tissue, rat heart tissue, mouse hear tissue, pig heart tissue, rabbit heart tissue	
Cited Applications: WB, IF, ISFET			tissue, pig		
Species Specificity:			IHC : huma	IHC : human heart tissue, mouse heart tissue	
human, mouse, rat, pig, rabbit			IF-P: mouse heart tissue,		
Cited Species:					
human, mouse, rat, pig					
		enievai wiin			
	Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	vely, antigen			
Background Information	TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0 Troponin I (TnI) is the inhibitory subu muscle contraction. Cardiac Troponin fast sTnI) are produced by slow-twitcd	vely, antigen ith citrate init of troponin, the (I (cTnI) is produce h and fast-twitch s e markers of myoc s widely accepted	ed by cardiac mus skeletal muscles, cardial damage lil as a diagnostic to	respectively. cTnl has been considered as ke acute myocardial infarction (AMI) for	
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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
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66376-1-1g (Cardiac Troponin 1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using Cardiac Troponin I antibody (66376-1-1g, Clone: 1D5D6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffinembedded human heart tissue slide using 66376-1-Ig (Cardiac Troponin I antibody) at dilution of 1:600 (under 10x lens).



Immunohistochemical analysis of paraffinembedded human heart tissue slide using 66376-1-Ig (Cardiac Troponin I antibody) at dilution of 1:600 (under 40x lens).



Immunohistochemical analysis of paraffinembedded mouse heart tissue slide using 66376-1-Ig (Cardiac Troponin I antibody) at dilution of 1:2000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Human heart tissue and skeletal muscle tissue (negative control) were subjected to SDS PAGE followed by western blot with 66376-1-Ig (Cardiac Troponin I Antibody) at dilution of 1:20,000 incubated at room temperature for 1.5 hours.



Mouse heart tissue (6 ug/lane) was subjected to SDS PAGE followed by western blot with 66376-1-Ig (Cardiac Troponin I Antibody) at dilution of 1:5,000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using 66376-1-Ig(Cardiac Troponin I antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).