For Research Use Only

MYH7-specific Polyclonal antibody Catalog Number:22280-1-AP Featured Product 76 Publications

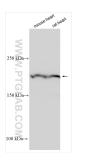
proteintech Antibodies | ELISA kits | Proteins www.ptglab.com

	Concentration:	GenBank Accession Number: NM_000257		Purification Method: Antigen affinity purification		
		Concentration: GeneID (NCBI):		Recommended Dilutions:		
	650 ug/ml	4625		WB 1:2000-1:100		
	Source:	Rabbit P12883		IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500		
	Isotype: IgG	Full Name: myosin heavy ch	rull Name: myosin, heavy chain 7, cardiac		IF-P 1:50-1:500	
	.80	muscle, beta			IF/ICC 1:300-1:1200	
		Calculated MW: 223 kDa				
		Observed MW: 200-220 kDa				
Applications	Tested Applications: Positive Controls:					
	WB, IHC, IF/ICC, IF-P, IP, ELISA		WB : mouse heart tissue, rat heart tissue			
	Cited Applications: WB, IHC, IF		IP : mouse heart tissue,			
	Species Specificity: human, mouse, rat	IHC : mouse skeletal muscle tissue, human skeleta muscle tissue				
	Cited Species:		IF-P : mouse heart tissue,			
	human, mouse, rat, pig, zebrafisl	and the second			ICC : H9C2 cells,	
	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	myosin light chains. MYH7 encod isoform of cardiac ventricles. It i	at contain the catalytic s des the slow/beta-cardia s also expressed in slow ave been linked to famil	ites for ATP hydr ac myosin heavy v, oxidative, type ial hypertrophic	olysis, and four lowe chain (MHC), which 1 muscle fibers of s cardiomyopathy. Th	er molecular weight is the major MHC	
	Numerous mutations of MYH7 ha specifically recognize endogeno production of Heavy Meromyosi which may correspond to the HM		sis of myosin, a l		2, 14520662). Due to	
Notable Publications	specifically recognize endogeno production of Heavy Meromyosi	IM part of MYH7 (PMID: 1	sis of myosin, a l		2, 14520662). Due to	
Notable Publications	specifically recognize endogenc production of Heavy Meromyosi which may correspond to the HM	IM part of MYH7 (PMID: 1 Pubmed ID Jo	sis of myosin, a l 4613868).	band around 150 kDa	2, 14520662). Due to a may be detected,	
Notable Publications	specifically recognize endogeno production of Heavy Meromyosi which may correspond to the HM Author	IM part of MYH7 (PMID: 1 Pubmed ID Jo 32936696 Ar	sis of myosin, a l 4613868). urnal	pand around 150 kDa	2, 14520662). Due to a may be detected, Application	

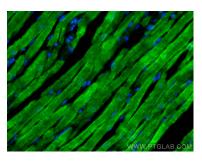
For technical support and original validation data for this product please contact: T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

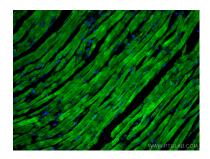
Selected Validation Data



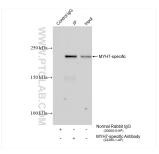
Various lysates were subjected to SDS PAGE followed by western blot with 22280-1-AP (MYH7specific antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using MYH7-specific antibody (22280-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using MYH7-specific antibody (22280-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



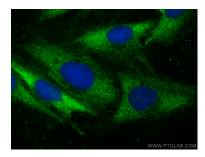
IP result of anti-MYH7-specific (IP:22280-1-AP, 4ug; Detection:22280-1-AP 1:3000) with mouse heart tissue lysate 1840 ug.



Immunohistochemical analysis of paraffinembedded mouse skeletal muscle tissue slide using 22280-1-AP (MYH7-specific 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 skeletal muscle tissue slide using 22280-1-AP (MYH7-specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed H9C2 cells using MYH7-specific antibody (22280-1-AP) at dilution of 1:600 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).