## For Research Use Only

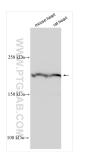
## MYH7-specific Polyclonal antibody Catalog Number:22280-1-AP Featured Product 76 Publications

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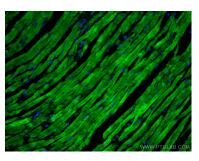


Basic Information	Catalog Number: 22280-1-AP	GenBank Accession Number: NM_000257		Purification Method: Antigen affinity purification	
	Size: 150ul, Concentration: 650 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG	GenelD (NCBI):		Recommended Dilutions: WB 1:2000-1:10000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF-P 1:50-1:500 IF/ICC 1:300-1:1200	
	.5-	Calculated MW: 223 kDa			
		Observed MW: 200-220 kDa			
Applications	Tested Applications: WB, IHC, IF/ICC, IF-P, IP, ELISA	F-D ID FIISA			
	Cited Applications: WB, IHC, IF Species Specificity: human, mouse, rat		WB : mouse heart tissue, rat heart tissue		
			IP : mouse heart tissue, IHC : mouse skeletal muscle tissue, human skeletal		
			muscle tissue		
	Cited Species:		IF-P : mouse heart tissue, IF/ICC : H9C2 cells,		
	Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0	vely, antigen			
Background Information	Myosin is the major contractile prote myosin heavy chains (MHCs) that con myosin light chains. MYH7 encodes t isoform of cardiac ventricles. It is als Numerous mutations of MYH7 have b specifically recognize endogenous M production of Heavy Meromyosin (HM which may correspond to the HMM pa	ntain the catalytic sites he slow/beta-cardiac m o expressed in slow, oxi een linked to familial h IYH7, not cross-reacting MM) during proteolysis c	for ATP hydrol yosin heavy ch dative, type 1 ypertrophic ca with other MH of myosin, a ba	ysis, and four lower molecular weig hain (MHC), which is the major MHC muscle fibers of skeletal muscle. ardiomyopathy. This antibody can Cs (PMID: 2523412, 14520662). Due	
Notable Publications	Author Put	omed ID Journa	ıl	Application	
	Shiyuan Huang 329	936696 Am J F	hysiol Cell Ph	nysiol WB	
	Teng Wu 330	15041 Front	Cell Dev Biol	WB,IHC	
	Yanan Pang 345	540911 Front (	Cardiovasc Me	d WB	
Storage	Storage: Store at -20°C. Stable for one year aft Storage Buffer: PBS with 0.02% sodium azide and 50 Aliquoting is unnecessary for -20°C s	% glycerol, pH7.3			
*** 20ul sizes contain 0.1% BSA	· - *	-			
For technical support and original validation da T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free	ta for this product please contact: E: proteintech@ptglab.com	G	This product is exclusively available under Proteinte Group brand and is not available to purchase from an other manufacturer.		

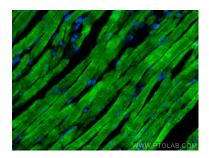
## Selected Validation Data



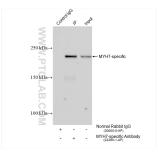
Various lysates were subjected to SDS PAGE followed by western blot with 22280-1-AP (MYH7specific antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed 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).



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).



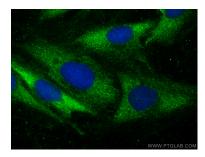
IP result of anti-MYH7-specific (IP:22280-1-AP, 4ug; Detection:22280-1-AP 1:3000) with mouse heart tissue lysate 1840 ug.



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).