For Research Use Only

Myosin Light Chain 2/MLC-2V Polyclonal antibody Catalog Number:55462-1-AP 3 Publications



Basic Information	Catalog Number: 55462-1-AP			Purification Method: Antigen affinity purification Recommended Dilutions: WB 1:2000-1:20000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500	
	Size:				
	150ul, Concentration: 1000 ug/ml by				
	Nanodrop and 793 ug/ml by Bradford method using BSA as the standard; Source: Rabbit Isotype: IgG				
		cardiac, slow Calculated MW: 19 kDa Observed MW: 18-20 kDa			
					Applications
WB, IHC, FC (Intra), IP, ELISA	ELISA WB: rat h		eart tissue,		
Cited Applications: WB, IF	IP : mouse brain tissue,				
Species Specificity: human, mouse, rat		IHC : mouse brain tissue, human heart tissue, hu skeletal muscle tissue			
Cited Species: human, mouse					
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	MYL2, also named as MLC-2v and MLC cardiomyopathy familial hypertrophi hypertrophic with mid-left ventricula ventricular cardiomyocytes.	c type 10 (CMH10). De	efects in MYL2 ar	e the cause of cardiomyopathy famili	
	cardiomyopathy familial hypertrophi hypertrophic with mid-left ventricula ventricular cardiomyocytes.	c type 10 (CMH10). De	efects in MYL2 ar C2). MYL2 has be	e the cause of cardiomyopathy familia en widely used as a marker of mature	
	cardiomyopathy familial hypertrophi hypertrophic with mid-left ventricula ventricular cardiomyocytes. Author Pub	c type 10 (CMH10). De r chamber type 2 (MV0 omed ID Jour	efects in MYL2 ar C2). MYL2 has be	e the cause of cardiomyopathy famili	
	cardiomyopathy familial hypertrophi hypertrophic with mid-left ventricular ventricular cardiomyocytes. Author Pub Chao Ci 304	c type 10 (CMH10). De r chamber type 2 (MV0 pmed ID Jour 31060 Int J	efects in MYL2 ar C2). MYL2 has be nal	e the cause of cardiomyopathy familia en widely used as a marker of mature Application	
	cardiomyopathy familial hypertrophi hypertrophic with mid-left ventricular ventricular cardiomyocytes. Author Put Chao Ci 304 Kiwon Ban 266	c type 10 (CMH10). De r chamber type 2 (MV0 pmed ID Jour 31060 Int J	efects in MYL2 ar C2). MYL2 has be nal Mol Med n Cell Reports	e the cause of cardiomyopathy familia en widely used as a marker of mature Application WB	
Background Information Notable Publications Storage	cardiomyopathy familial hypertrophi hypertrophic with mid-left ventricular ventricular cardiomyocytes. Author Put Chao Ci 304 Kiwon Ban 266	c type 10 (CMH10). De r chamber type 2 (MV0 5000 Int J 551608 Ster 113824 iScie er shipment.	efects in MYL2 ar C2). MYL2 has be nal Mol Med n Cell Reports	e the cause of cardiomyopathy familia en widely used as a marker of mature Application WB IF	

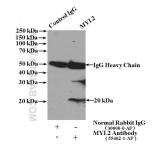
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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Selected Validation Data



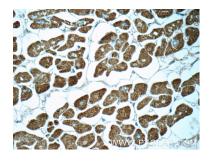
rat heart tissue were subjected to SDS PAGE followed by western blot with 55462-1-AP (MYL2 Antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



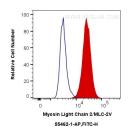
IP result of anti-Myosin Light Chain 2/MLC-2V (IP:55462-1-AP, 4ug; Detection:55462-1-AP 1:500) with mouse brain tissue lysate 4000ug.



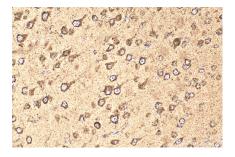
Immunohistochemical analysis of paraffinembedded human heart tissue slide using 55462-1-AP (MYL2 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffinembedded human heart tissue slide using 55462-1-AP (MYL2 Antibody) at dilution of 1:50 (under 40x lens).



1X10^6 C2C 12 cells were intracellularly stained with 0.4 ug Anti-Human Myosin Light Chain 2/MLC-2V (55462-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 55462-1-AP (Myosin Light Chain 2/MLC-2V antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).