

For Research Use Only

# MYL7 Recombinant antibody

Catalog Number: 81570-1-RR



## Basic Information

Catalog Number:	81570-1-RR	GenBank Accession Number:	BC027915	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI):	58498	CloneNo.:	2C5
Source:	Rabbit	UNIPROT ID:	Q01449	Recommended Dilutions:	WB 1:5000-1:50000 IHC 1:500-1:2000
Isotype:	IgG	Full Name:	myosin, light chain 7, regulatory		
Immunogen Catalog Number:	AG11058	Calculated MW:	175 aa, 19 kDa		
		Observed MW:	19 kDa		

## Applications

Tested Applications:	WB, IHC, ELISA	Positive Controls:	
Species Specificity:	mouse, rat, human	WB :	mouse heart tissue, rat heart tissue
		IHC :	mouse heart tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>			

## Background Information

MYL7, also known as myosin light chain 2a (MLC2a), is essential for heart development. The expression of MYL7 in heart is predominantly restricted to the atrium. So its expression has been considered as useful marker for atrial cardiomyocytes.

## Storage

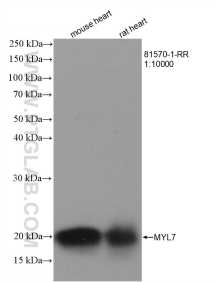
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

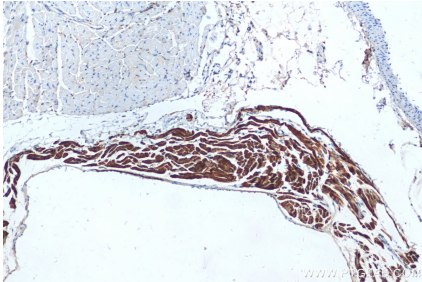
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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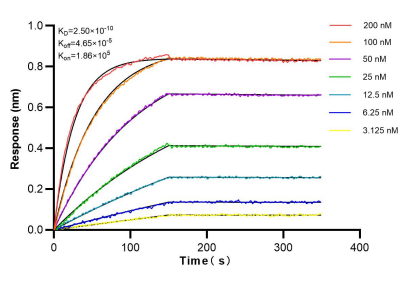
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81570-1-RR (MYL7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 81570-1-RR (MYL7 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 81570-1-RR against Human MYL7 were performed. The affinity constant is 0.25 nM.