

For Research Use Only

# MYL4 Polyclonal antibody

Catalog Number: 13229-1-AP



## Basic Information

<b>Catalog Number:</b> 13229-1-AP	<b>GenBank Accession Number:</b> BC030228	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4635	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> myosin, light chain 4, alkali; atrial, embryonic	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 197 aa, 22 kDa	
<b>Immunogen Catalog Number:</b> AG4031	<b>Observed MW:</b> 22-30 kDa	

## Applications

<b>Tested Applications:</b> WB,ELISA	<b>Positive Controls:</b> WB : human liver tissue,
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

Myosin light-chain 4 (MYL4) encodes an essential myosin light chain that is expressed in embryonic whole heart and skeletal muscle. It is specifically expressed in human atria after birth. MYL4 is essential for atrial electrical, functional, and structural integrity, and MYL4 dysfunction can produce severe inherited atrial cardiomyopathy.

## Storage

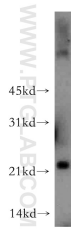
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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) E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com) W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 13229-1-AP (MYL4 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.