

For Research Use Only

# MYOM1 Polyclonal antibody

Catalog Number: 22084-1-AP



## Basic Information

<b>Catalog Number:</b> 22084-1-AP	<b>GenBank Accession Number:</b> BC116183	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 500 µg/ml by Nanodrop and 447 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8736	<b>Recommended Dilutions:</b> WB 1:20000-1:100000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P52179	
<b>Isotype:</b> IgG	<b>Full Name:</b> myomesin 1, 185kDa	
<b>Immunogen Catalog Number:</b> AG17263	<b>Calculated MW:</b> 1685 aa, 188 kDa	
	<b>Observed MW:</b> 170-180 kDa	

## Applications

**Tested Applications:**  
WB, IHC, ELISA

**Species Specificity:**  
human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : mouse heart tissue, rat heart tissue

IHC : mouse heart tissue, mouse skeletal muscle tissue

## Background Information

MYOM1 is a major component of the vertebrate myofibrillar M band. MYOM1 binds myosin, titin, and light meromyosin. This binding is dose-dependent.

## 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

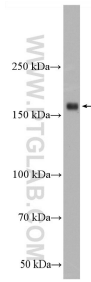
For technical support and original validation data for this product please contact:

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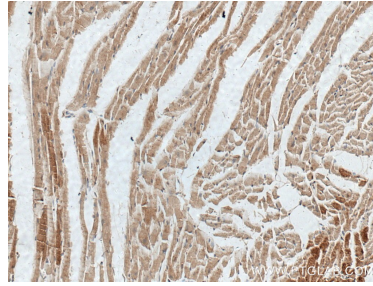
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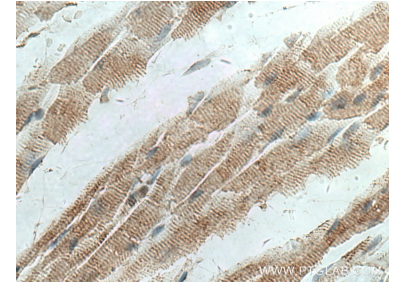
## Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 22084-1-AP (MYOM1 antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 22084-1-AP (MYOM1 antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 22084-1-AP (MYOM1 antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).