

For Research Use Only

# MYOM2 Polyclonal antibody

Catalog Number: 32262-1-AP

2 Publications



## Basic Information

<b>Catalog Number:</b> 32262-1-AP	<b>GenBank Accession Number:</b> NM_003970.3	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9172	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IHC: 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P54296	
<b>Isotype:</b> IgG	<b>Full Name:</b> myomesin (M-protein) 2, 165kDa	
<b>Immunogen Catalog Number:</b> AG35659	<b>Calculated MW:</b> 165kDa 1465aa	
	<b>Observed MW:</b> 165 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : rat skeletal muscle tissue, mouse heart tissue, mouse skeletal muscle tissue, rat heart tissue IHC : mouse heart tissue,
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, rat	
<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

Myomesin proteins comprise three family members encoded by MYOM1, MYOM2 and MYOM3, and localize to the M-band of the sarcomere. These three myomesin isoforms correlate with the contractile properties in different fiber types. MYOM1 is expressed in all striated muscles, whereas MYOM2 is expressed in the adult heart and fast fibers, and MYOM3 is expressed only in skeletal muscle intermediate fiber types (PMID:14609030;26792323;15890201).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qiyang Li	41324836	Mol Neurobiol	WB
Ji-Min Kim	41251884	Biogerontology	IHC

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

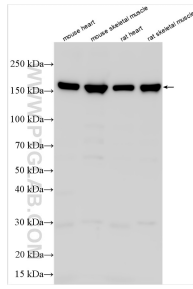
For technical support and original validation data for this product please contact:

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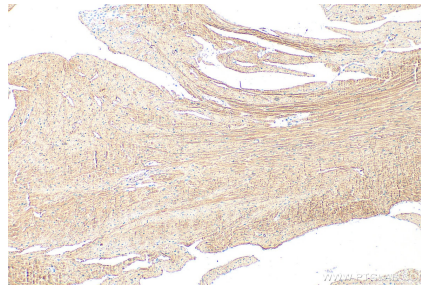
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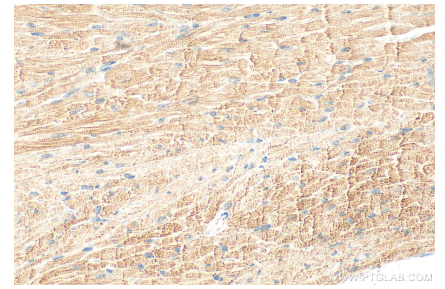
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32262-1-AP (MYOM2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 32262-1-AP (MYOM2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 32262-1-AP (MYOM2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).