

For Research Use Only

# RBM24 Polyclonal antibody

Catalog Number: 18178-1-AP

Featured Product

11 Publications



## Basic Information

<b>Catalog Number:</b> 18178-1-AP	<b>GenBank Accession Number:</b> BC104808	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 700 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 221662	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF-P 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BX46	
<b>Isotype:</b> IgG	<b>Full Name:</b> RNA binding motif protein 24	
<b>Immunogen Catalog Number:</b> AG12871	<b>Calculated MW:</b> 191 aa, 20 kDa	
	<b>Observed MW:</b> 18-25 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF-P, ELISA	<b>Positive Controls:</b> WB : mouse heart tissue, IHC : mouse skeletal muscle tissue, IF-P : mouse skeletal muscle tissue,
<b>Cited Applications:</b> WB, IHC, IF, RIP	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse, chicken	

**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

RNA-binding proteins have a pivotal role in post-transcriptionally regulating gene expression. During early development, they exhibit temporally and spatially regulated expression patterns and affect the proteome of a single cell by controlling alternative splicing, transport, localization, and stability of their target RNAs (PMID: 22510371). Their expression is tissue-specific, and their crucial influence on the protein setup, especially in muscle cells, has become recognized recently (PMID: 21982546). RBM24 is one RNA-binding protein that is fundamental in regulating cardiac gene expression, sarcomeric assembly, and cardiac contractility. It may thus represent a novel pathway to cardiomyopathy (PMID: 20338237).

## Notable Publications

Author	Pubmed ID	Journal	Application
Raphaëlle Grifone	25217815	Mech Dev	IF
Suhong Sun	34477109	Elife	IF
Shulei Gong	36352154	J Mol Med (Berl)	RIP,IHC

## Storage

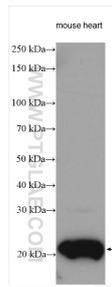
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

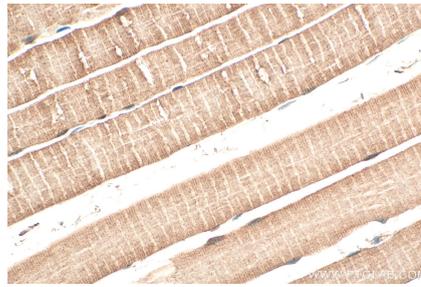
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

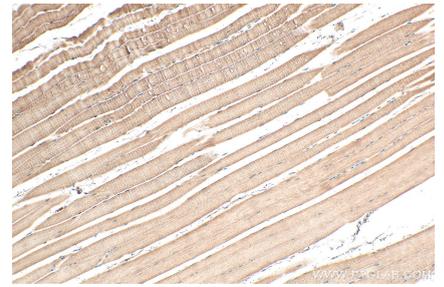
## Selected Validation Data



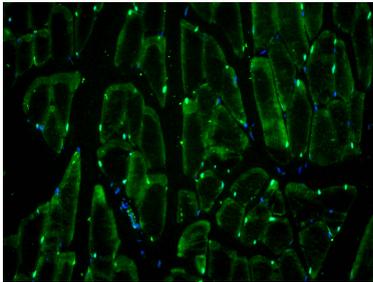
mouse heart tissue lysates were subjected to SDS PAGE followed by western blot with 18178-1-AP (RBM24 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



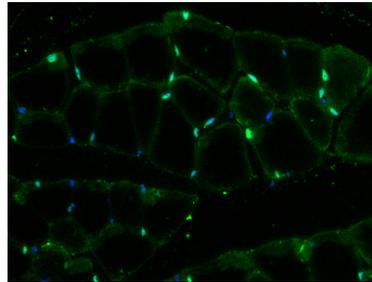
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 18178-1-AP (RBM24 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 18178-1-AP (RBM24 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using RBM24 antibody (18178-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using RBM24 antibody (18178-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).