

For Research Use Only

# HSPB7 Polyclonal antibody

Catalog Number: 15700-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 15700-1-AP	<b>GenBank Accession Number:</b> BC006319	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 27129	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> heat shock 27kDa protein family, member 7 (cardiovascular)	<b>IHC 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 19 kDa	
<b>Immunogen Catalog Number:</b> AG8328	<b>Observed MW:</b> 18-23 kDa	

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Cited Applications:

IF, IHC, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**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:** HepG2 cells, mouse heart tissue, mouse skeletal muscle tissue, rat heart tissue

**IP:** mouse skeletal muscle tissue,

**IHC:** human colon cancer tissue,

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Julia Schuld	32887649	Acta Neuropathol Commun	WB,IF
Keerthika Lohanadan	34637763	Exp Cell Res	WB
Jiaying Lin	24585183	Int J Oncol	WB,IHC,IF

## 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**

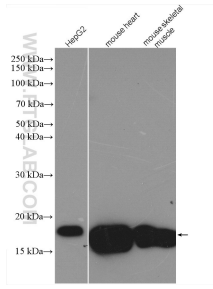
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

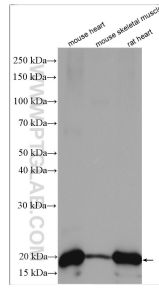
E: proteintech@ptglab.com  
W: ptglab.com

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

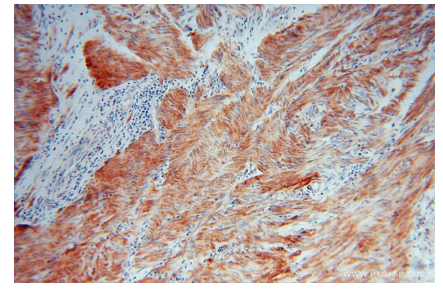
## Selected Validation Data



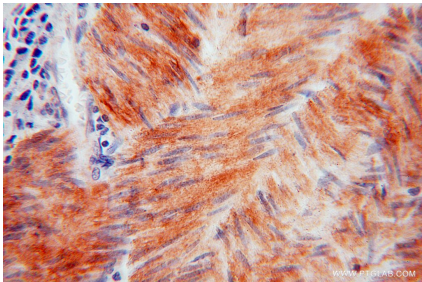
Various lysates were subjected to SDS PAGE followed by western blot with 15700-1-AP (HSPB7 antibody) at dilution of 1:1000 incubated at 4 degree celsius over night.



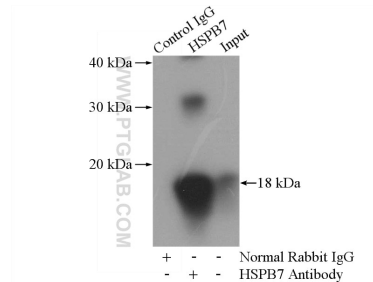
Various lysates were subjected to SDS PAGE followed by western blot with 15700-1-AP (HSPB7 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 15700-1-AP (HSPB7 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 15700-1-AP (HSPB7 antibody) at dilution of 1:50 (under 40x lens).



IP Result of anti-HSPB7 (IP:15700-1-AP, 4ug; Detection:15700-1-AP 1:500) with mouse skeletal muscle tissue lysate 3600ug.