

For Research Use Only

# HSPB7 Polyclonal antibody

Catalog Number: 15700-1-AP

3 Publications



## Basic Information

### Catalog Number:

15700-1-AP

### Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8328

### GenBank Accession Number:

BC006319

### GeneID (NCBI):

27129

### UNIPROT ID:

Q9UBY9

### Full Name:

heat shock 27kDa protein family, member 7 (cardiovascular)

### Calculated MW:

19 kDa

### Observed MW:

18-23 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IF, IHC

### 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,

## 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

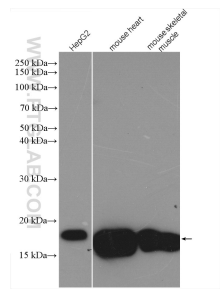
For technical support and original validation data for this product please contact:

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

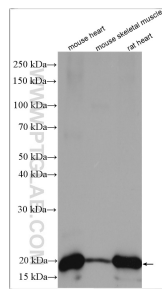
E: proteintech@ptglab.com  
W: ptglab.com

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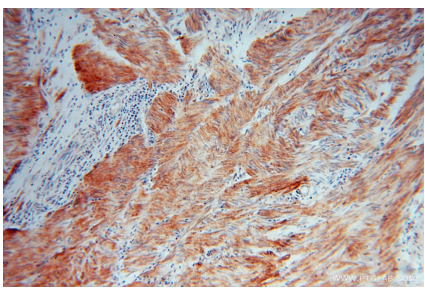
Selected Validation Data



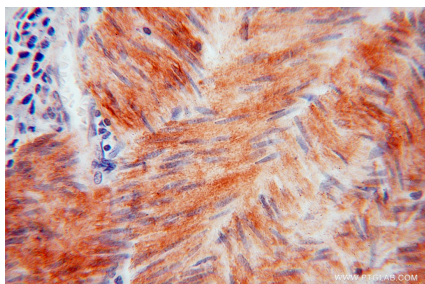
Various lysates were subjected to SDS PAGE followed by western blot with 15700-1-AP (HSPB7 antibody) at dilution of 1:1000 incubated at 4 degree celsius over night.



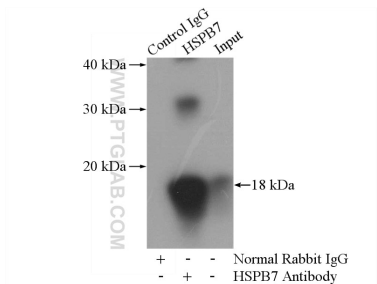
Various lysates were subjected to SDS PAGE followed by western blot with 15700-1-AP (HSPB7 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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.