

For Research Use Only

# HSPB7 Polyclonal antibody

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



## Basic Information

**Catalog Number:**

15700-1-AP

**Size:**

800 µg/ml

**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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, IP, WB, 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,

## 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

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

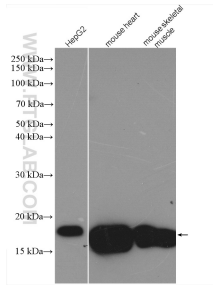
T: 4006900926

E: Proteintech-CN@ptglab.com

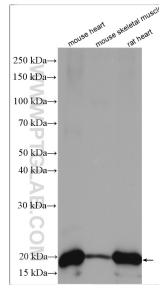
W: ptgcn.com

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

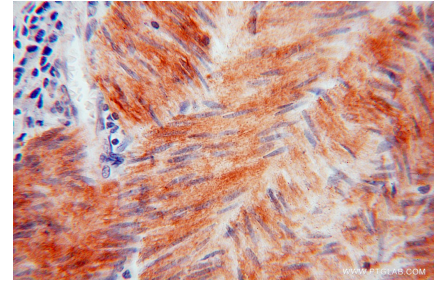
## Selected Validation Data



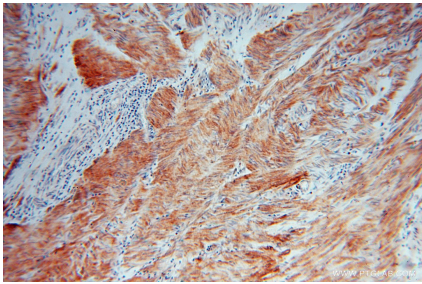
Various lysates were subjected to SDS PAGE followed by western blot with 15700-1-AP (HSPB7 antibody) at dilution of 1:1000 incubated at 4 degree celsius over night.



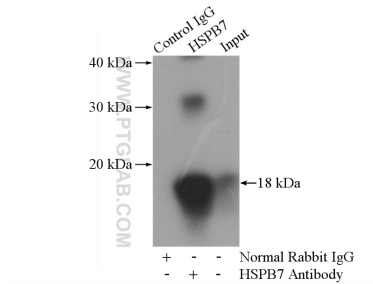
Various lysates were subjected to SDS PAGE followed by western blot with 15700-1-AP (HSPB7 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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



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



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