

For Research Use Only

# HSPA13 Polyclonal antibody

Catalog Number: 12667-2-AP

Featured Product

8 Publications



## Basic Information

### Catalog Number:

12667-2-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3349

### GenBank Accession Number:

BC036370

### GeneID (NCBI):

6782

### UNIPROT ID:

P48723

### Full Name:

heat shock protein 70kDa family, member 13

### Calculated MW:

471 aa, 52 kDa

### Observed MW:

60, 70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

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, IHC, IF, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**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: HEK-293 cells, HeLa cells, K-562 cells

IP: HeLa cells,

IHC: human endometrial cancer tissue,

## Background Information

HSPA13 (Heat shock 70 kDa protein 13), also known as STCH (the stress 70 protein chaperone), is a member of the Hsp70 family of ATPase "stress" or "heat shock" proteins. Human STCH encodes a 60 kDa protein that is highly enriched in the ER. Recently it has been reported that overexpression of the HSPA13 gene reduces prion disease incubation time in mice.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chun Gao	34613781	Sci Adv	WB
Hanshu Wang	34647995	Endocrinology	WB
Youdi He	32547538	Front Immunol	WB, CoIP

## 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

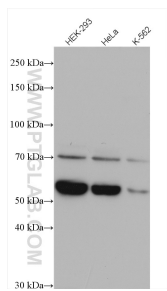
For technical support and original validation data for this product please contact:

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

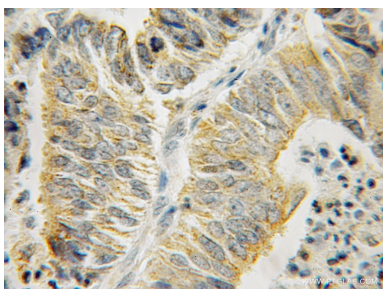
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

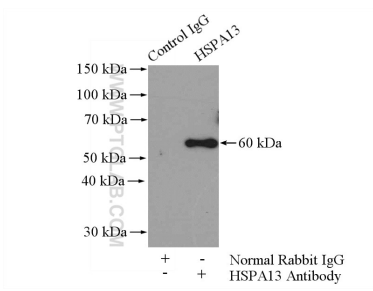
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12667-2-AP (HSPA13 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human endometrial cancer using 12667-2-AP (HSPA13 antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-HSPA13 (IP:12667-2-AP, 4ug; Detection:12667-2-AP 1:300) with HeLa cells lysate 1200ug.