

For Research Use Only

HSPA13 Polyclonal antibody

Catalog Number: 12667-2-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 12667-2-AP	GenBank Accession Number: BC036370	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 700 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6782	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: heat shock protein 70kDa family, member 13	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 471 aa, 52 kDa	
Immunogen Catalog Number: AG3349	Observed MW: 60, 70 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells, K-562 cells
Cited Applications: CoIP, IHC, WB	IP : HeLa cells,
Species Specificity: human, mouse, rat	IHC : human endometrial cancer tissue,
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	

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

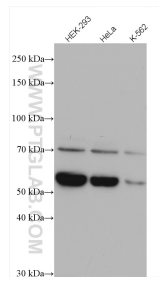
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

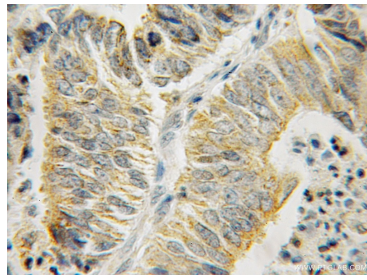
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

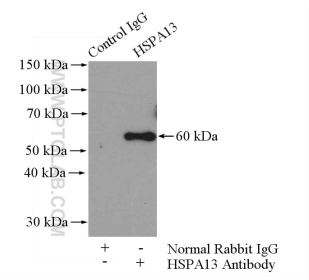
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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, 4 μ g; Detection:12667-2-AP 1:300) with HeLa cells lysate 1200 μ g.