

For Research Use Only

HSPA13 Polyclonal antibody

Catalog Number: 12667-2-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

12667-2-AP

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:

52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:12000

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

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human

Cited Species:

human

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 : mouse pancreas 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
Chen Xing	39737854	Adv Sci (Weinh)	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

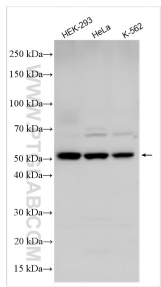
T: 4006900926

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.

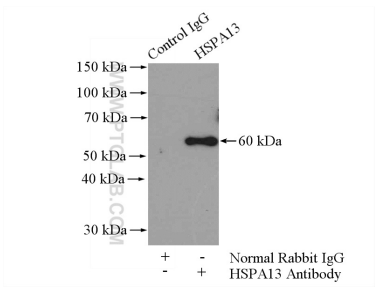
Selected Validation Data



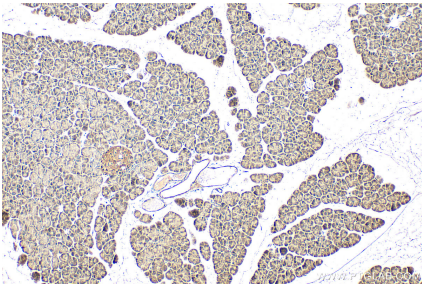
Various lysates were subjected to SDS PAGE followed by western blot with 12667-2-AP (HSPA13 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



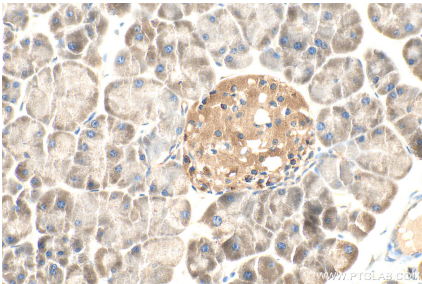
WB result of HSPA13 antibody (12667-2-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HSPA13 transfected HEK-293 cells.



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



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 12667-2-AP (HSPA13 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 12667-2-AP (HSPA13 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).