

For Research Use Only

HSP47/SERPINH1 Monoclonal antibody

Catalog Number: 67863-1-Ig **3 Publications**



Basic Information

Catalog Number:

67863-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 425 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG30999

GenBank Accession Number:

BC014623

GeneID (NCBI):

871

UNIPROT ID:

P50454

Full Name:

serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)

Calculated MW:

46 kDa

Observed MW:

46 kDa

Purification Method:

Protein A purification

CloneNo.:

2A8F6

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:1000-1:4000

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, 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 : K-562 cells, HEK-293T cells, NIH/3T3 cells, LNCaP cells, HeLa cells, Jurkat cells, HEK-293 cells, HSC-T6 cells, 4T1 cells

IHC : human renal cell carcinoma tissue,

IF/ICC : HeLa cells, HepG2 cells

Notable Publications

Author	Pubmed ID	Journal	Application
Chen Tang	39161960	iScience	WB,IHC,IF,CoIP
Ya-Juan Wang	38963323	Elife	WB,IP,CoIP
Bridgette Hartley	38264990	J Proteome Res	WB

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

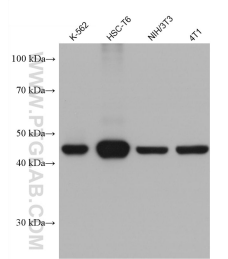
For technical support and original validation data for this product please contact:

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

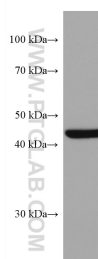
E: proteintech@ptglab.com
W: ptglab.com

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

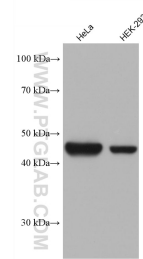
Selected Validation Data



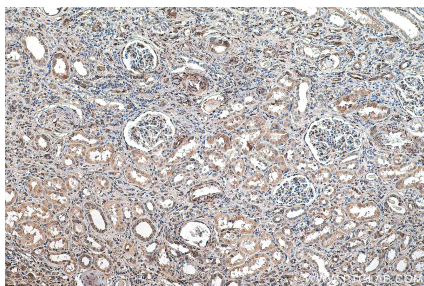
Various lysates were subjected to SDS PAGE followed by western blot with 67863-1-Ig (HSP47 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



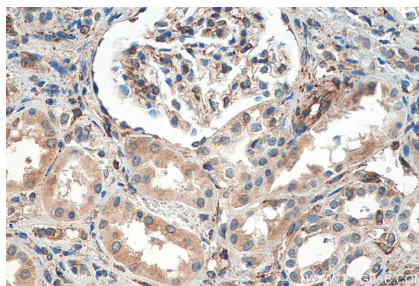
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 67863-1-Ig (SERPINH1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



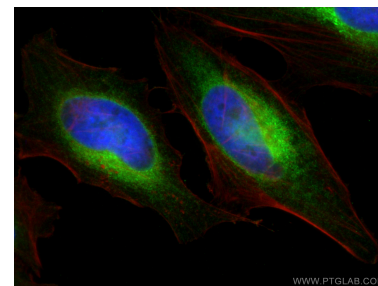
Various lysates were subjected to SDS PAGE followed by western blot with 67863-1-Ig (HSP47 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



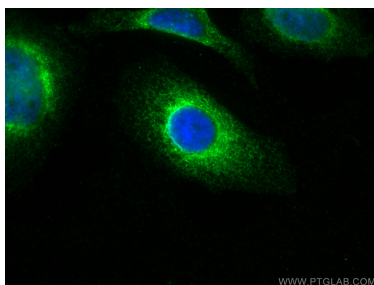
Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 67863-1-Ig (HSP47 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 67863-1-Ig (HSP47 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HSP47 antibody (67863-1-Ig, Clone: 2A8F6) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using HSP47 antibody (67863-1-Ig, Clone: 2A8F6) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).