

For Research Use Only

HSPBP1 Polyclonal antibody

Catalog Number: 10211-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

10211-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0282

GenBank Accession Number:

BC002373

GeneID (NCBI):

23640

UNIPROT ID:

Q9NZL4

Full Name:

HSPA (heat shock 70kDa) binding protein, cytoplasmic cochaperone 1

Calculated MW:

39 kDa

Observed MW:

39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

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 : HeLa cells, A549 cells, human heart tissue, human skeletal muscle tissue, human testis tissue, Jurkat cells, MCF-7 cells, mouse brain tissue, mouse testis tissue, rat testis tissue

IHC : human kidney tissue, human colon cancer tissue

IF/ICC : HeLa cells,

Background Information

Hsp70-interacting protein (HSPBP1) is a protein of approximately 40 kilodaltons detected in cell extracts. Its mRNA is present in all tissues analyzed but is most abundant in heart and skeletal muscle. HSPBP1 binds the ATPase domain of Hsp70 and inhibits approximately 90% of the Hsp40-activated Hsp70 ATPase activity by preventing ATP binding to Hsp70.

Notable Publications

Author	Pubmed ID	Journal	Application
Bingteng Xie	35648393	Cancer Res	IF
Ya-Xian Yang	33713958	Mol Immunol	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

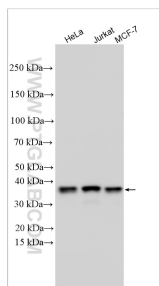
For technical support and original validation data for this product please contact:

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

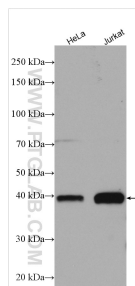
E: proteintech@ptglab.com
W: ptglab.com

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

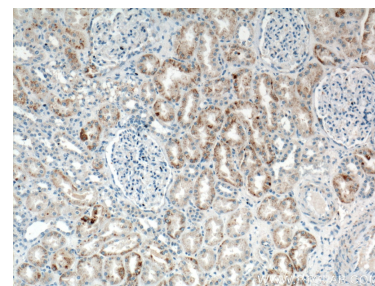
Selected Validation Data



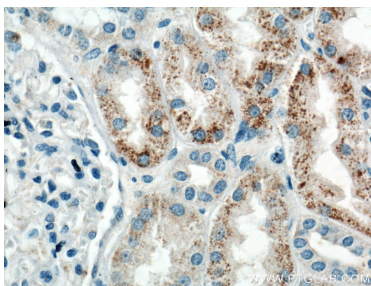
Various lysates were subjected to SDS PAGE followed by western blot with 10211-1-AP (HSPBP1 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



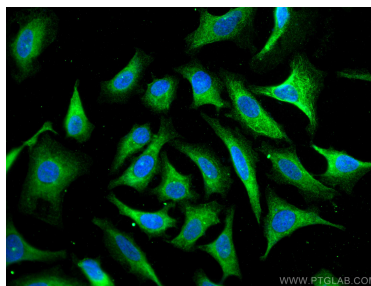
Various lysates were subjected to SDS PAGE followed by western blot with 10211-1-AP (HSPBP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10211-1-AP (HSPBP1 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10211-1-AP (HSPBP1 antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HSPBP1 antibody (10211-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).