

For Research Use Only

HSPBP1 Polyclonal antibody

Catalog Number: 10211-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number: 10211-1-AP	GenBank Accession Number: BC002373	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 23640	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	Full Name: HSPA (heat shock 70kDa) binding protein, cytoplasmic cochaperone 1	
Isotype: IgG	Calculated MW: 39 kDa	
Immunogen Catalog Number: AG0282	Observed MW: 39 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, WB

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

IHC: human kidney tissue, human colon cancer tissue

IF: 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

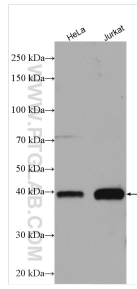
For technical support and original validation data for this product please contact:

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

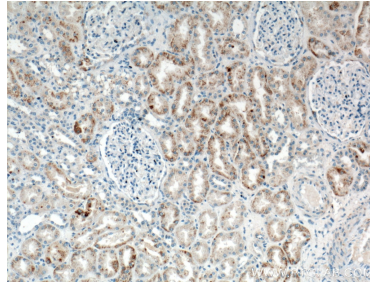
E: proteintech@ptglab.com
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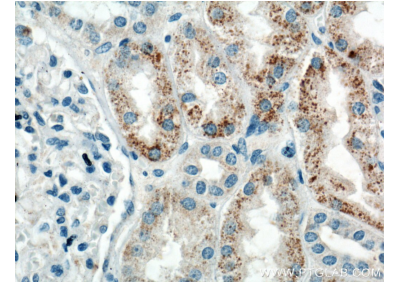
Selected Validation Data



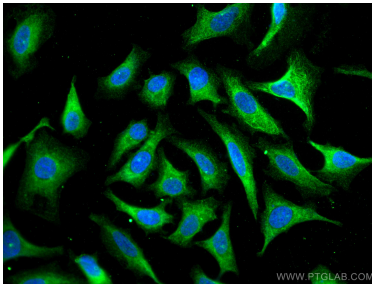
Various lysates were subjected to SDS PAGE followed by western blot with 10211-1-AP (HSPBP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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 CoralLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).