

For Research Use Only

# HSPA6 Polyclonal antibody

Catalog Number: 13616-1-AP

Featured Product

11 Publications



## Basic Information

### Catalog Number:

13616-1-AP

### Concentration:

1000 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4522

### GenBank Accession Number:

BC035665

### GeneID (NCBI):

3310

### UNIPROT ID:

P17066

### Full Name:

heat shock 70kDa protein 6 (HSP70B)

### Calculated MW:

643 aa, 71 kDa

### Observed MW:

68-71 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:4000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human

### Cited Species:

human, mouse, rat, pig

**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 : HL-60 cells, MCF-7 cells, U-937 cells

IHC : mouse lung tissue, human lung cancer tissue

## Background Information

HSPA6 (also known as HSP70B) is a member of the HSPA (HSP70) family of heat-shock proteins which are highly conserved chaperons implicated in protein folding, protein refolding, protein transport, and protein targeting. Human HSP70B is known to be strictly inducible and shows very low or no basal expression levels in most cells. HSPA6 induction has been exploited as a reasonable biomarker of cellular stresses and its mRNA expression levels have been shown to be significantly induced against a variety of cellular stresses. This antibody was raised against the C-terminal region of human HSPA6 and it may cross-react with HSPA1 (HSP70), HSPA1L and HSPA2. (18229458)

## Notable Publications

Author	Pubmed ID	Journal	Application
Junyi Tang	33833821	Evid Based Complement Alternat Med	WB
Da-Wei Wang	32154766	Biosci Biotechnol Biochem	WB
Anouk Regeling	26826017	Biochim Biophys Acta	IHC

## 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

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

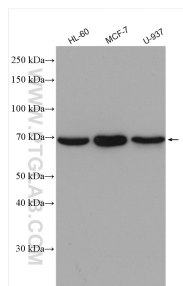
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

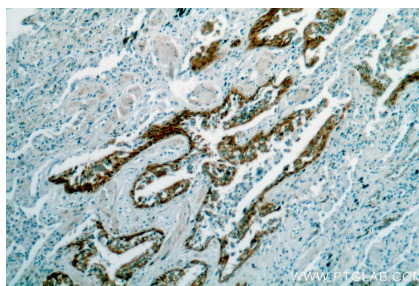
W: [ptgcn.com](http://ptgcn.com)

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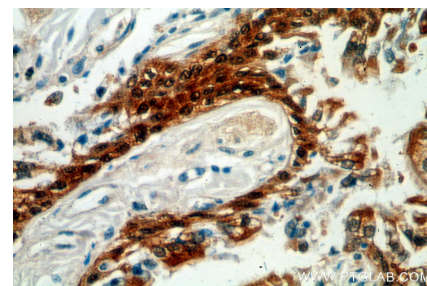
## Selected Validation Data



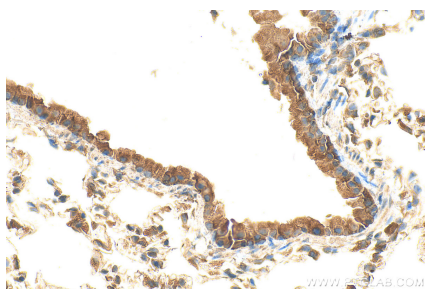
Various lysates were subjected to SDS PAGE followed by western blot with 13616-1-AP (HSPA6 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer using 13616-1-AP (HSPA6 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer using 13616-1-AP (HSPA6 antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 13616-1-AP (HSPA6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).