

For Research Use Only

HSPA6 Polyclonal antibody

Catalog Number: 13616-1-AP **10 Publications**



Basic Information

Catalog Number: 13616-1-AP	GenBank Accession Number: BC035665	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3310	Recommended Dilutions: WB 1:500-1:4000 IHC 1:20-1:200
Source: Rabbit	Full Name: heat shock 70kDa protein 6 (HSP70B)	
Isotype: IgG	Calculated MW: 643 aa, 71 kDa	
Immunogen Catalog Number: AG4522	Observed MW: 68-71 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HL-60 cells, MCF-7 cells, U-937 cells IHC : human lung cancer tissue,
Cited Applications: IF, IHC, WB	
Species Specificity: human	
Cited Species: human, rat, mouse, pig	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

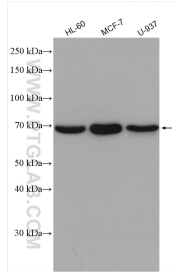
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

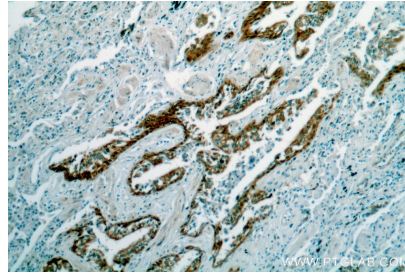
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

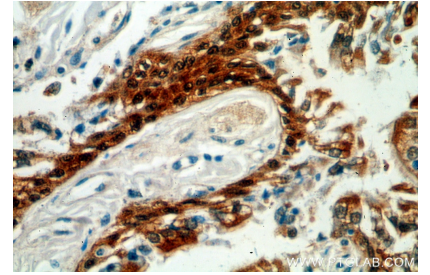
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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).