

For Research Use Only

HSP70 Polyclonal antibody

Catalog Number: 25405-1-AP **7 Publications**



Basic Information

Catalog Number: 25405-1-AP	GenBank Accession Number: BC057397	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3304	Recommended Dilutions: WB 1:2000-1:50000 IP 0.5-4.0 ug for IP and 1:2000-1:10000 for WB
Source: Rabbit	Full Name: heat shock 70kDa protein 1B	
Isotype: IgG	Calculated MW: 70 kDa	
Immunogen Catalog Number: AG13700	Observed MW: 60-70 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls:
Cited Applications: IF, WB	WB : HEK-293 cells, mouse brain tissue, rat brain tissue, HeLa cells, K-562 cells
Species Specificity: human, mouse, rat	IP : HEK-293 cells, K-562 cells
Cited Species: human, mouse	

Background Information

HSP70 (also referred to as HSP72), is a stress-inducible member of heat-shock protein 70 (HSP70) proteins which are highly conserved chaperons implicated in protein folding, protein refolding, protein transport, and protein targeting. HSP70 is a cytosol/nuclear protein able to translocate between cytoplasm and nucleus. Generally, HSP70 is thought to be expressed in unstressed normal cells at low or undetectable levels. Expression of HSP70 protein can be highly activated by various stressful stimuli. Significant up-regulation of HSP70 has been found in various tumors. Recently it has been reported that HSP70 can be constitutively expressed in selected cell types. HSP70 is also used as an exosomal marker. This antibody recognizes two isoforms of HSP70 around 70 kDa and 60 kDa, respectively.

Notable Publications

Author	Pubmed ID	Journal	Application
Yong Chen	36224027	Front Biosci (Landmark Ed)	WB
Simona Cugusi	36121223	Mol Cell Biol	WB
Huikang Tao	33791790	Hum Mol Genet	WB

Storage

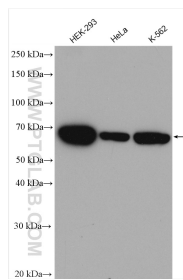
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

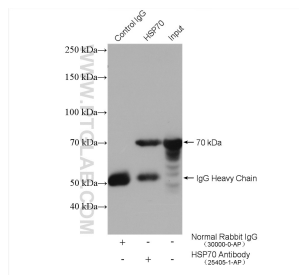
For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25405-1-AP (HSP70 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



IP result of anti-HSP70 (IP:25405-1-AP, 4ug; Detection:25405-1-AP 1:5000) with HEK-293 cells lysate 2320 ug.