

HSP70 Polyclonal Antibody

Product Details

Size	500 µL
Species Reactivity	Dog, Human, Mouse, Non-human primate
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to aa 574-591 of human HSP70
Form	Liquid
Concentration	0.062 mg/mL
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2549915

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100	-
Immunocytochemistry (ICC/IF)	Assay-dependent	-
Immunoprecipitation (IP)	5 µg/mL	-

Product Specific Information

This antibody is predicted to react with bovine, mouse, porcine and rat based on sequence homology.

Heat-mediated antigen retrieval is recommended prior to staining, using a 10mM citrate buffer, pH 6.0, for 10 minutes followed by cooling at room temperature for 20 min. Following antigen retrieval, incubate samples with primary antibody for 30 min at room temperature. A suggested positive control is breast carcinoma.

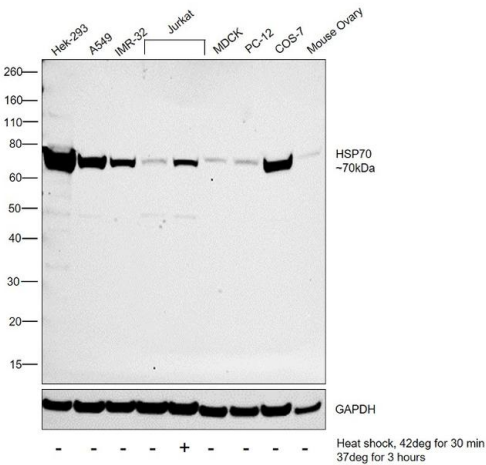
Product Images For HSP70 Polyclonal Antibody

HSP70 Antibody (PA5-32446) in ICC/IF

Immunofluorescence analysis of HSP70 was performed using 70% confluent log phase HEK-293 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with HSP70 Polyclonal Antibody (Product # PA5-32446) at 1:100 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

HSP70 Antibody (PA5-32446)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using HSP70 Polyclonal Antibody (Product # PA1-37842), shows increased expression of proteins upon heat shock treatment in Jurkat cell line. {TM}



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