

Product Datasheet

HSP70 Rabbit Polyclonal Antibody (orb10848)

Catalog Number	orb10848
Category	Antibodies
Description	HSP70 Rabbit Polyclonal Antibody
Target	HSPA1A
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Predicted Reactivity	Bovine, Gallus, Rabbit, Sheep
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated synthetic peptide derived from human HSP70 (481-534/641aa)
UniProt ID	P0DMV8
RRID	AB_10750145
MW	68 kDa

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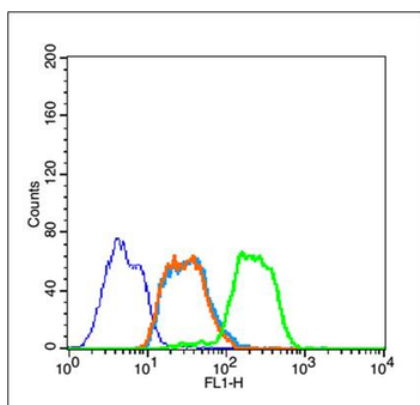
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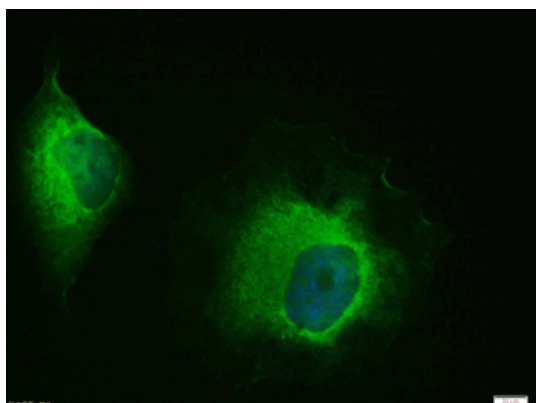
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Tested applications	FC, ICC, IF, IHC-Fr, IHC-P, WB
Dilution range	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, ICC/IF=1:100-500, IF=1:100-500, Flow-Cyt=1ug/Test
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Blank control (blue line): Jurkat (blue). Primary Antibody (green line): Rabbit Anti-HSP70 antibody (orb10848), Dilution: 1 $\mu\text{g}/10^6$ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC, Dilution: 1 $\mu\text{g}/\text{Test}$. Protocol, The cells were fixed with 2% paraformaldehyde (10 min), then permeabilized with 90% ice-cold methanol for 30 min on ice. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2% BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



Hela cell, 4% Paraformaldehyde-fixed, Triton X-100 at room temperature for 20 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Antibody incubation with (HSP70) polyclonal Antibody, Unconjugated (orb10848) 1:100, 90 minutes at 37°C, followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.

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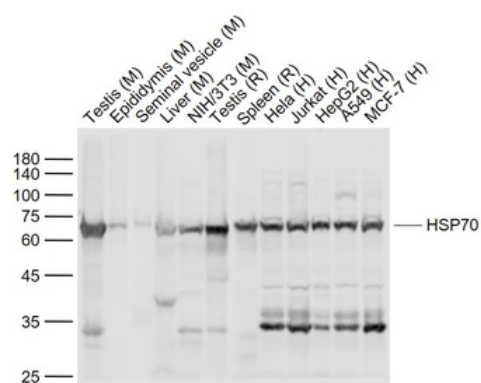
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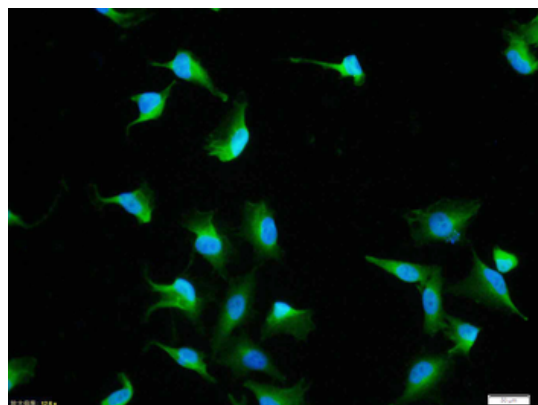
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Sample: Lane 1: Testis (Mouse) Lysate at 40 ug, Lane 2: Epididymis (Mouse) Lysate at 40 ug, Lane 3: Seminal vesicle (Mouse) Lysate at 40 ug, Lane 4: Liver (Mouse) Lysate at 40 ug, Lane 5: NIH/3T3 (Mouse) Cell Lysate at 30 ug, Lane 6: Testis (Rat) Lysate at 40 ug, Lane 7: Spleen (Rat) Lysate at 40 ug, Lane 8: HeLa (Human) Cell Lysate at 30 ug, Lane 9: Jurkat (Human) Cell Lysate at 30 ug, Lane 10: HepG2 (Human) Cell Lysate at 30 ug, Lane 11: A549 (Human) Cell Lysate at 30 ug, Lane 12: MCF-7 (Human) Cell Lysate at 30 ug, Primary: Anti-HSP70 (orb10848) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 70 kD, Observed band size: 68 kD.



Tissue/Cell: A549 cell, 4% Paraformaldehyde-fixed, Triton X-100 at room temperature for 20 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Antibody incubation with (HSP70) polyclonal Antibody, Unconjugated (orb10848) 1:100, 90 minutes at 37°C, followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.

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