

Product Data Sheet

Anti-HSC70 Antibody

| Catalog # | Source | Reactivity | Applications |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------|
| CPA1554 | Rabbit | H, M, R, B, C, Mk, P | WB, IF/IC, IP |
| Description | Rabbit polyclonal antibody to HSC70 | | |
| Immunogen | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HSC70. The exact sequence is proprietary. | | |
| Purification | The antibody was purified by immunogen affinity chromatography. | | |
| Specificity | Recognizes endogenous levels of HSC70 protein. | | |
| Clonality | Polyclonal | | |
| Form | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | |
| Dilution | WB (1/500 - 1/1000), IF/IC (1/100 - 1/500), IP (1/10 - 1/100) | | |
| Gene Symbol | HSPA8 | | |
| Alternative Names | HSC70; HSP73; HSPA10; Heat shock cognate 71 kDa protein; Heat shock 70 kDa protein 8; Lipopolysaccharide-associated protein 1; LAP-1; LPS-associated protein 1 | | |
| Entrez Gene | 3312 (Human); 15481 (Mouse); 24468 (Rat) | | |
| SwissProt | P11142 (Human); P63017 (Mouse); P63018 (Rat) | | |
| Storage/Stability | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. | | |

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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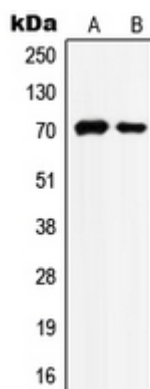
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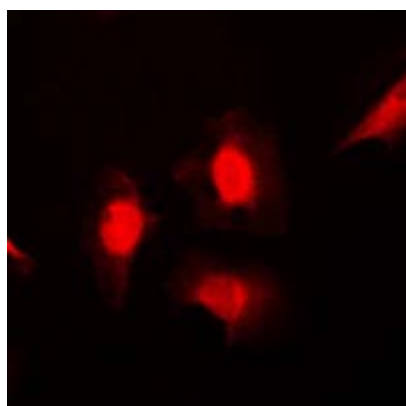
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Western blot analysis of HSC70 expression in HeLa (A), NIH3T3 (B) whole cell lysates.



Immunofluorescent analysis of HSC70 staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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