

Datasheet for ABIN7154884
anti-Hsc70 antibody (AA 2-646)[Go to Product page](#)

9 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | Hsc70 (HSPA8) |
| Binding Specificity: | AA 2-646 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This Hsc70 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS) |

Product Details

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|-------------------|---|
| Immunogen: | Recombinant Human Heat shock cognate 71 kDa protein (2-646AA) |
| Clone: | 6E4D2 |
| Isotype: | IgG1, IgG1 kappa |
| Cross-Reactivity: | Human |
| Purification: | Protein G purified |

Target Details

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|-------------------|--|
| Target: | Hsc70 (HSPA8) |
| Alternative Name: | HSPA8 (HSPA8 Products) |

Target Details

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|-------------|--|
| Background: | <p>Background: Acts as a repressor of transcriptional activation. Inhibits the transcriptional coactivator activity of CITED1 on Smad-mediated transcription. Chaperone. Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. May have a scaffolding role in the spliceosome assembly as it contacts all other components of the core complex. Binds bacterial lipopolysaccharide (LPS) et mediates LPS-induced inflammatory response, including TNF secretion by monocytes.</p> <p>Participates in the ER-associated degradation (ERAD) quality control pathway in conjunction with J domain-containing co-chaperones and the E3 ligase CHIP</p> <p>Aliases: Heat shock cognate 71 kDa protein (Heat shock 70 kDa protein 8) (Lipopolysaccharide-associated protein 1) (LAP-1) (LPS-associated protein 1), HSPA8, HSC70 HSP73 HSPA10</p> |
|-------------|--|

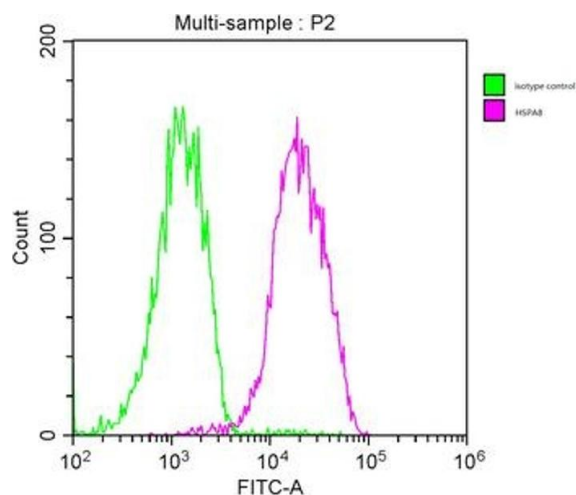
| | |
|----------|------------------------|
| UniProt: | P11142 |
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Application Details

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|--------------------|---|
| Application Notes: | Recommended dilution: WB: 1:5000-1:32000, IHC: 1:100-1:500, IF: 1:100-1:300, FC: 1:100-1:300, |
| Restrictions: | For Research Use only |

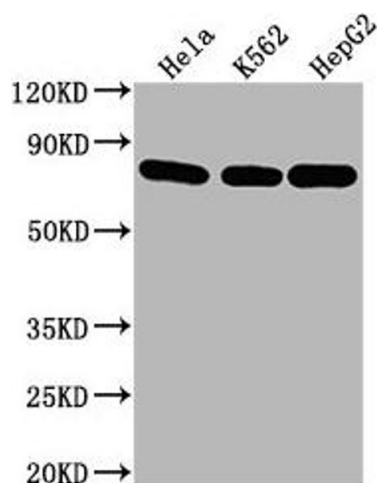
Handling

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|--------------------|---|
| Format: | Liquid |
| Buffer: | Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4 |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |



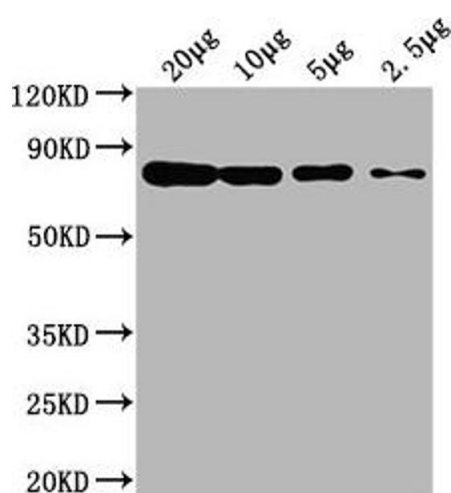
Flow Cytometry

Image 1. Overlay histogram showing MCF-7 cells stained with ABIN7154884 (red line). The cells were fixed with 70 % Ethylalcohol (18h) and then incubated in 10 % normal goat serum to block non-specific protein-protein interactions followed by the primary antibody at 1/200 for 1 h at 4 °C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/100 dilution for 30 min at 4 °C. Isotype control antibody (green line) was mouse IgG1 used under the same conditions. Acquisition of >10,000 events was performed.



Western Blotting

Image 2. Western Blot Positive WB detected in: HeLa whole cell lysate, K562 whole cell lysate, HepG2 whole cell lysate All lanes HSPA8 antibody at 1:2000 Secondary Goat polyclonal to mouse IgG at 1/50000 dilution Predicted band size: 70~75 KDa Observed band size: 70~75 KDa Exposure time: 5 min



Western Blotting

Image 3. Western Blot Positive WB detected in: HeLa whole cell lysate at 20 µg, 10 µg, 5 µg, 2.5 µg All lanes: HSPA8 antibody at 1:2000 Secondary Goat polyclonal to mouse IgG at 1/50000 dilution Predicted band size: 70~75 KDa Observed band size: 70~75 KDa Exposure time: 5 min

Please check the [product details page](#) for more images. Overall 9 images are available for ABIN7154884.