

## Product Datasheet

### HSP70/HSC70 Antibody (orb1822509)

<b>Catalog Number</b>	orb1822509
<b>Category</b>	Antibodies
<b>Description</b>	Mouse Anti-Chicken HSP70/HSC70 Monoclonal IgG2a
<b>Target</b>	HSP70/HSC70
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	IgG2a
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Bovine, Canine, Drosophila, Fish, Frog, Gallus, Guinea pig, Hamster, Human, Mouse, Other, Porcine, Rabbit, Rat, Sheep, Yeast
<b>Concentration</b>	1 mg/ml
<b>Buffer/Preservatives</b>	PBS pH 7.2, 50% glycerol, 0.09% sodium azide. Storage buffer changes when conjugated.
<b>Purification</b>	Protein G Purified
<b>Immunogen</b>	Chicken HSP70/HSP90 complex
<b>UniProt ID</b>	<b>P08106</b>
<b>MW</b>	73kDa
<b>Tested applications</b>	ICC, IF, IHC, IP, WB

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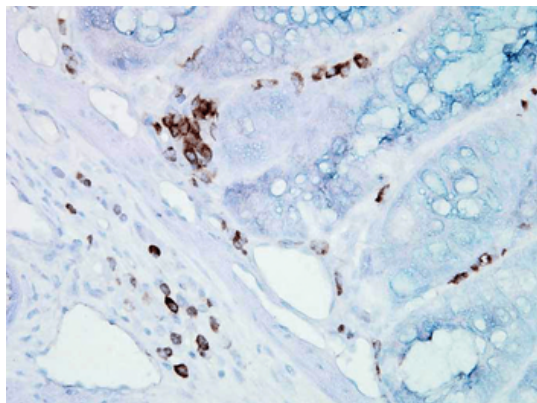
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<b>Dilution range</b>	WB (1:1000), IHC (1:200), ICC/IF (1:200); optimal dilutions for assays should be determined by the user.
<b>Application notes</b>	1 µg/ml was sufficient for detection of HSP70 and HSC70 in 20 µg of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
<b>Specificity</b>	Detects ~72 (HSP) and ~73kDa (HSC).
<b>Clone Number</b>	BB70
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Entrez</b>	<b>423504</b>
<b>NCBI</b>	<b>NP_001006686.1</b>
<b>Expiration Date</b>	12 months from date of receipt.



Immunohistochemistry analysis using Mouse Anti-Hsp70 Monoclonal Antibody, Clone BB70. Tissue: inflamed colon. Species: Mouse. Fixation: Formalin. Primary Antibody: Mouse Anti-Hsp70 Monoclonal Antibody at 1:10000 for 12 hours at 4°C. Secondary Antibody: Biotin Goat Anti-Mouse at 1:2000 for 1 hour at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 200 µl for 2 minutes at RT. Localization: Inflammatory cells. Magnification: 40x. Inflammatory cells. HSP70/HSC70 stained brown.

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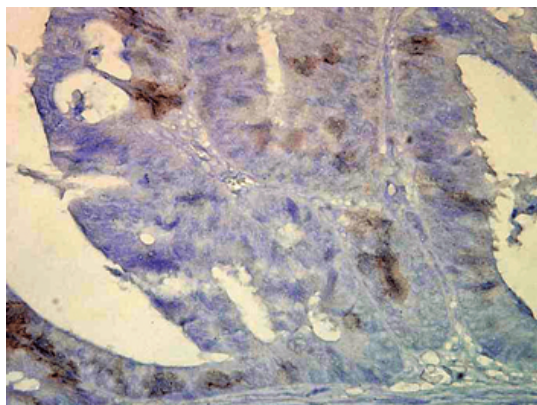
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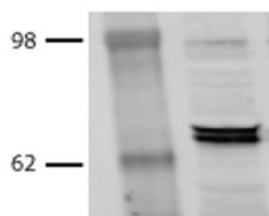
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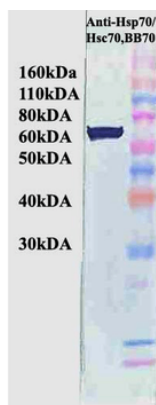
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Immunohistochemistry analysis using Mouse Anti-Hsp70 Monoclonal Antibody, Clone BB70. Tissue: colon carcinoma. Species: Human. Fixation: Formalin. Primary Antibody: Mouse Anti-Hsp70 Monoclonal Antibody at 1:10000 for 12 hours at 4°C. Secondary Antibody: Biotin Goat Anti-Mouse at 1:2000 for 1 hour at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 200 µl for 2 minutes at RT. Localization: Inflammatory cells. Magnification: 40x. HSP70/HSC70 cells stained brown.



Western Blot analysis of Bovine MDBK cell lysates showing detection of Hsp70 protein using Mouse Anti-Hsp70 Monoclonal Antibody, Clone BB70. Primary Antibody: Mouse Anti-Hsp70 Monoclonal Antibody at 1:1000.



Western Blot analysis of Human Cervical cancer cell line (HeLa) lysate showing detection of Hsp70 protein using Mouse Anti-Hsp70 Monoclonal Antibody, Clone BB70. Primary Antibody: Mouse Anti-Hsp70 Monoclonal Antibody at 1:1000. Secondary Antibody: HRP Goat Anti-Rat.

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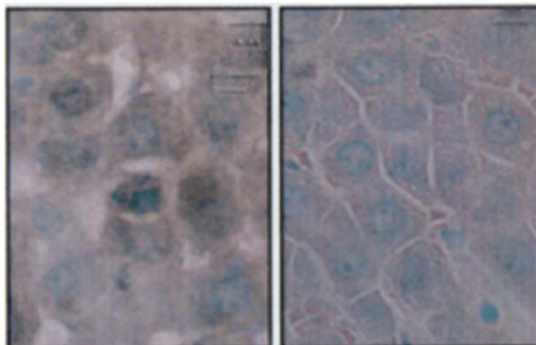
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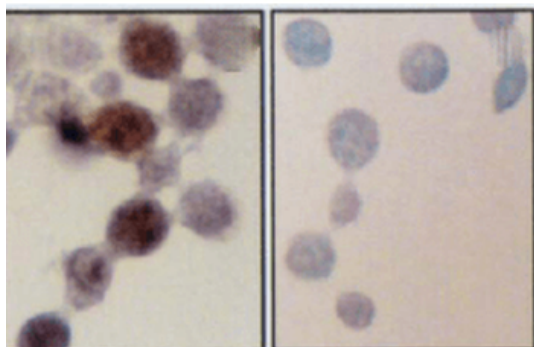
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**Liver sections**

Immunohistochemistry analysis using Mouse Anti-Hsp70 Monoclonal Antibody, Clone BB70. Tissue: hepatocytes. Species: Rat. Fixation: Paraffin Embedded. Primary Antibody: Mouse Anti-Hsp70 Monoclonal Antibody at 1:200. Liver sections were paraffin embedded. First pictures in series show two hours after exposure to stress, the second shows the control.

**Nuclear smears**

Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Hsp70 Monoclonal Antibody, Clone BB70. Tissue: hepatocyte nuclei. Species: Rat. Primary Antibody: Mouse Anti-Hsp70 Monoclonal Antibody at 1:200. Liver sections were paraffin embedded. First pictures in series show two hours after exposure to stress, the second shows the control.

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