

## Product Datasheet

### HSP70 Antibody (orb1822451)

<b>Description</b>	Rabbit Anti-Human HSP70 Polyclonal
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Bovine, Canine, Fish, Guinea pig, Hamster, Human, Mammal, Monkey, Mouse, Other, Parasite, Plant, Porcine, Rat, Sheep
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	ELISA, FC, ICC, IF, IHC, IP, WB
<b>Immunogen</b>	Recombinant Full length Human HSP70 Protein
<b>Target</b>	HSP70
<b>Preservatives</b>	PBS pH 7.4, 50% glycerol, 0.09% sodium azide *Storage buffer changes when conjugated
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Application notes</b>	A 1:1000 dilution of SPC-103 was sufficient for detection of HSP70 in 20 µg of HeLa cell lysate by ECL immunoblot analysis.
<b>Clonality</b>	Polyclonal
<b>MW</b>	70kDa
<b>Uniprot ID</b>	<b>P0DMV9, P0DMV8</b>
<b>NCBI</b>	<b>NP_005336.3</b>
<b>Entrez</b>	<b>3303</b>

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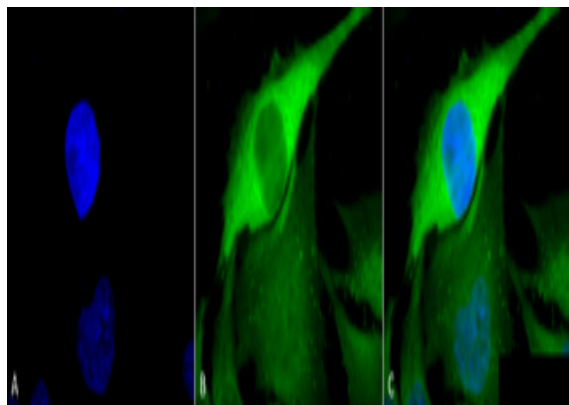
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**Dilution Range**

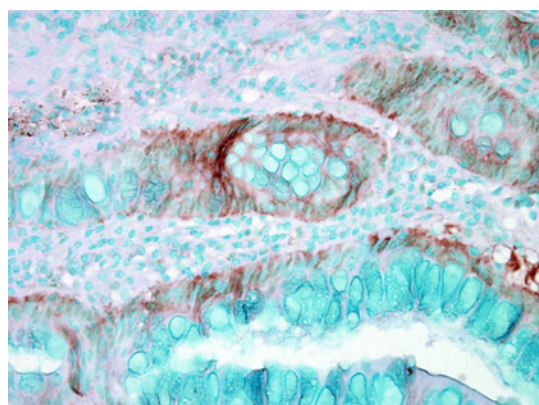
WB (1:1000), IHC (1:100), ICC/IF (1:100), IP (1:100); optimal dilutions for assays should be determined by the user.

**Expiration Date**

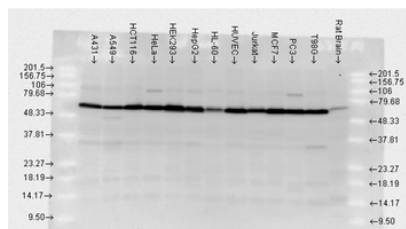
12 months from date of receipt.



Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-Hsp70 Polyclonal Antibody. Tissue: Heat Shocked Cervical cancer cell line (HeLa). Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-Hsp70 Polyclonal Antibody at 1:100 for 12 hours at 4°C. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Cytoplasm. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-Hsp70 Antibody. (C) Composite. Heat Shocked at 42°C for 1h.



Immunohistochemistry analysis using Rabbit Anti-HSP70 Polyclonal Antibody. Tissue: colon carcinoma. Species: Human. Fixation: Formalin. Primary Antibody: Rabbit Anti-HSP70 Polyclonal Antibody at 1:50000 for 12 hours at 4°C. Secondary Antibody: Biotin Goat Anti-Rabbit at 1:2000 for 1 hour at RT. Counterstain: Methyl Green at 200uL for 2 min at RT.



Western blot analysis of Human, Rat brain cell lysates showing detection of HSP70 protein using Rabbit Anti-HSP70 Polyclonal Antibody. Load: 2 µg. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Rabbit Anti-HSP70 Polyclonal Antibody at 1:10000 for 2 hours at RT. Secondary Antibody: Donkey Anti-Rabbit IgG: HRP for 1 hour at RT.

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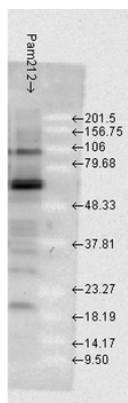
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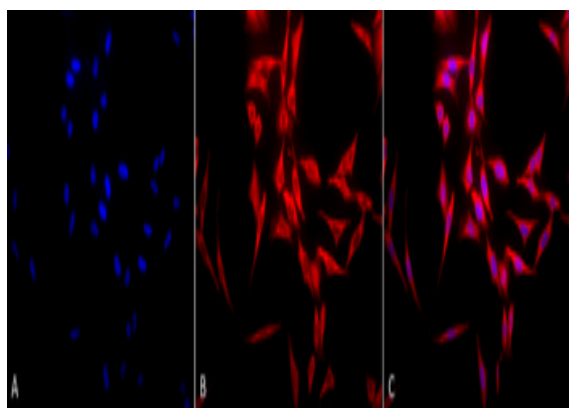
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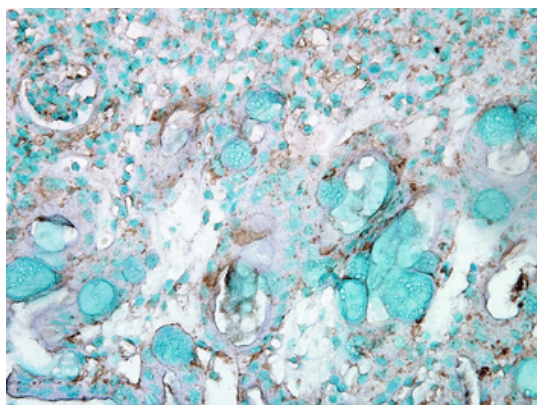
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Western blot analysis of Mouse Pam212 cells showing detection of HSP70 protein using Rabbit Anti-HSP70 Polyclonal Antibody. Load: 15 µgprotein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Rabbit Anti-HSP70 Polyclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Donkey Anti-Rabbit IgG: HRP for 1 hour at RT.



Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-Hsp70 Polyclonal Antibody. Tissue: Heat Shocked Cervical cancer cell line (HeLa). Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-Hsp70 Polyclonal Antibody at 1:100 for 12 hours at 4°C. Secondary Antibody: APC Goat Anti-Rabbit (red) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Cytoplasm. Magnification: 20x. (A) DAPI (blue) nuclear stain. (B) Anti-Hsp70 Antibody. (C) Composite. Heat Shocked at 42°C for 1h.



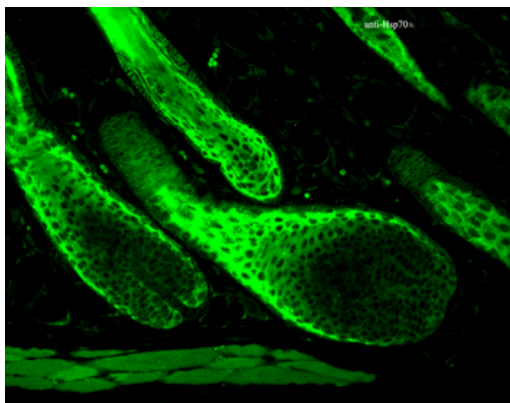
Immunohistochemistry analysis using Rabbit Anti-HSP70 Polyclonal Antibody. Tissue: Inflamed colon. Species: Mouse. Fixation: Formalin. Primary Antibody: Rabbit Anti-HSP70 Polyclonal Antibody at 1:1000 for 12 hours at 4°C. Secondary Antibody: Biotin Goat Anti-Rabbit at 1:2000 for 1 hour at RT. Counterstain: Methyl Green at 200uL for 2 min at RT.

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Immunohistochemistry analysis using Rabbit Anti-HSP70 Polyclonal Antibody. Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative Solution. Primary Antibody: Rabbit Anti-HSP70 Polyclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1:50 for 1 hour at RT. Localization: Cytoplasm.

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