

Product Datasheet

HSP70 Antibody (FITC) (orb151242)

Catalog Number	orb151242
Category	Antibodies
Description	Rabbit polyclonal to Hsp70 (FITC). Hsp70 genes encode abundant heat-inducible 70-kDa hsps Hsp70 genes encode abundant heat-inducible 70-kDa hsps...
Target	HSP70
Clonality	Polyclonal
Species/Host	Rabbit
Conjugation	FITC
Reactivity	Bovine, Canine, Fish, Guinea pig, Hamster, Human, Mammal, Monkey, Mouse, Other, Plant, Porcine, Rat, Sheep
Concentration	1 mg/ml
Buffer/Preservatives	640.91mM DMSO, 136.36 mM Ethanolamine, 126.89 mM chlorides, 9.09mM phosphates, 9.09mM NaHCO ₃
Purification	Peptide Affinity Purified
Immunogen	Recombinant Full length HSP70 Protein
UniProt ID	P0DMV9, P0DMV8
MW	70kDa
Tested applications	ELISA, FC, ICC, IF, IHC, IP, WB
Dilution range	WB (1:1000), IHC (1:100), ICC/IF (1:100), IP (1:100)

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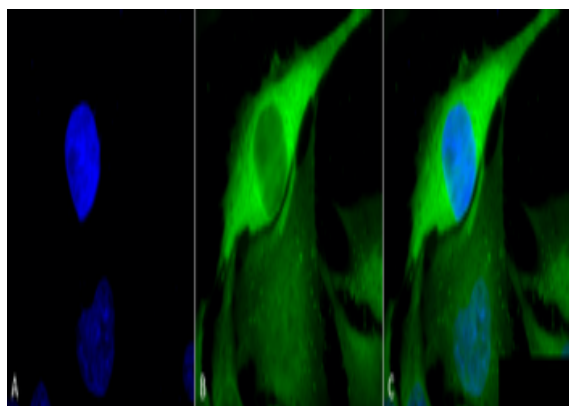
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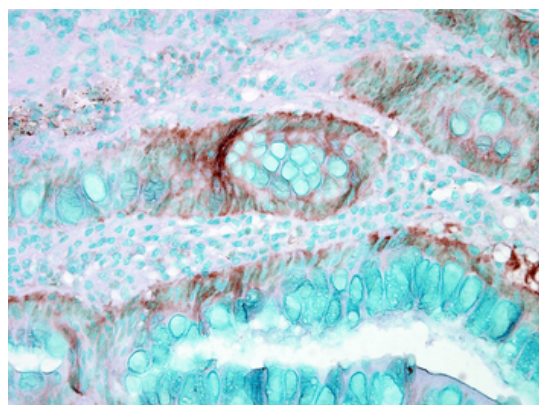
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Application notes	A 1:1000 dilution was sufficient for detection of HSP70 in 20 µg of HeLa cell lysate by ECL immunoblot analysis.
Specificity	Detects a ~70kDa. May cross-react with HSC70 at lower dilutions.
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Entrez	3303
NCBI	NP_005336.3
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.

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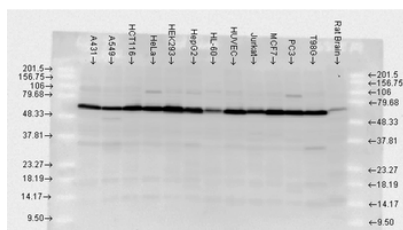
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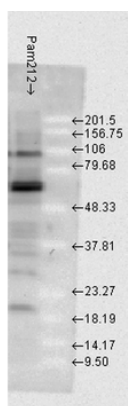
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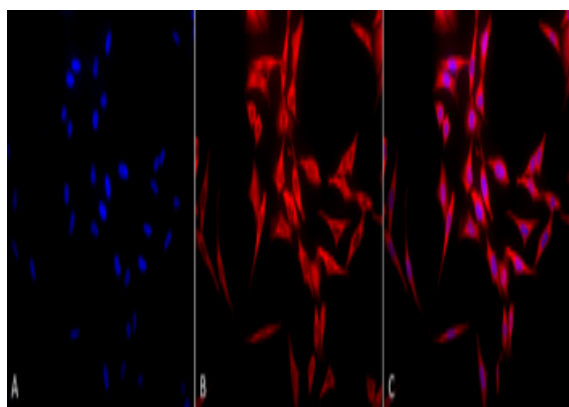
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Western blot analysis of Human, Rat brain cell lysates showing detection of HSP70 protein using Rabbit Anti-HSP70 Polyclonal Antibody. Load: 2 µg. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Rabbit Anti-HSP70 Polyclonal Antibody at 1:10000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



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.

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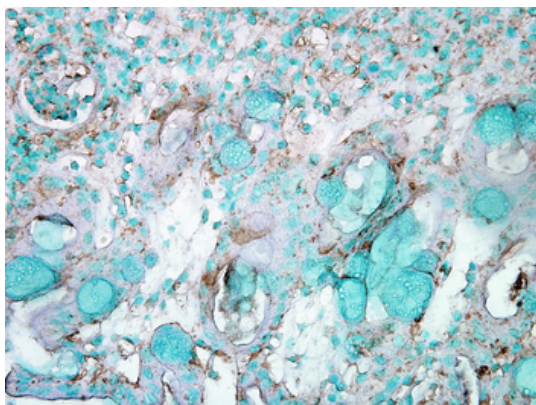
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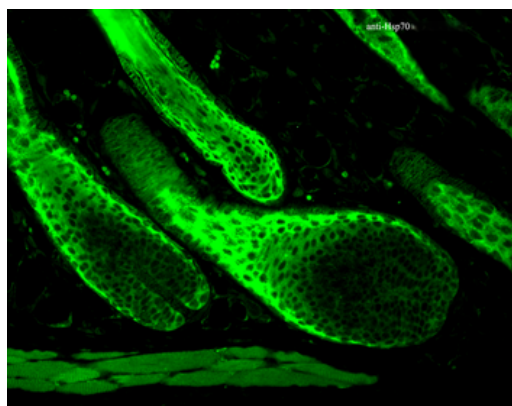
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Immunohistochemistry analysis using Rabbit Anti-HSP70 Polyclonal Antibody. Tissue: Inflamed colon. Species: Mouse. Fixation: Formalin. Primary Antibody: Rabbit Anti-HSP70 Polyclonal Antibody at 1:1000 for 12 hours at 4°C. Secondary Antibody: Biotin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



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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