

Product Datasheet

HSP70 Antibody (Biotin) (orb151241)

Catalog Number	orb151241
Category	Antibodies
Description	Rabbit polyclonal to Hsp70 (Biotin). 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	Biotin
Reactivity	Bovine, Canine, Fish, Guinea pig, Hamster, Human, Mammal, Monkey, Mouse, Other, Plant, Porcine, Rat, Sheep
Concentration	1 mg/ml
Buffer/Preservatives	136.36mM Ethanolamine, 133.23 mM Chlorides, 9.55mM Phosphates, 9.55mM Sodium Bicarbonate.
Purification	Peptide Affinity Purified
Immunogen	Recombinant Full length HSP70 Protein
UniProt ID	P0DMV8, P0DMV9
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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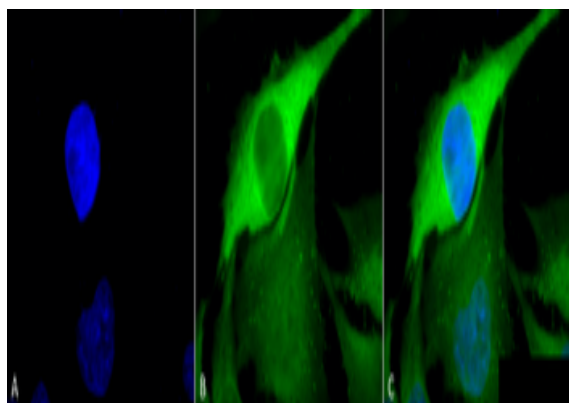
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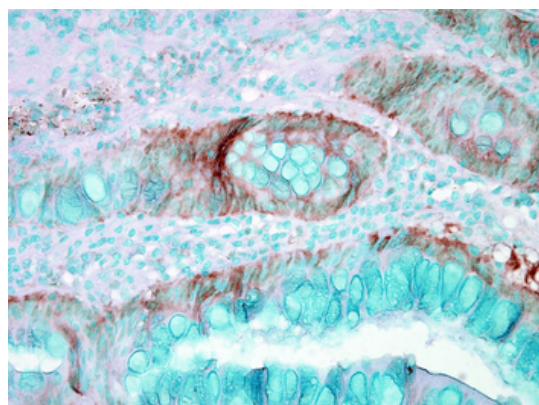
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Application notes	A 1:1000 dilution was sufficient for detection of HSP70 in 20 µg of HeLa cell lysate by ECL immunoblot analysis.
Specificity	Detects a ~70kDa. May cross-react with HSC70 at lower dilutions.
Storage	Conjugated antibodies should be 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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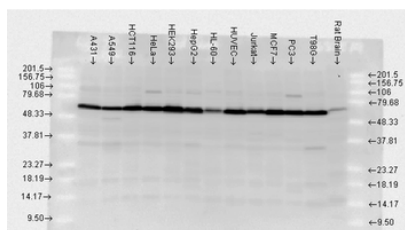
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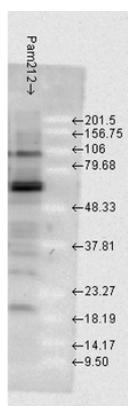
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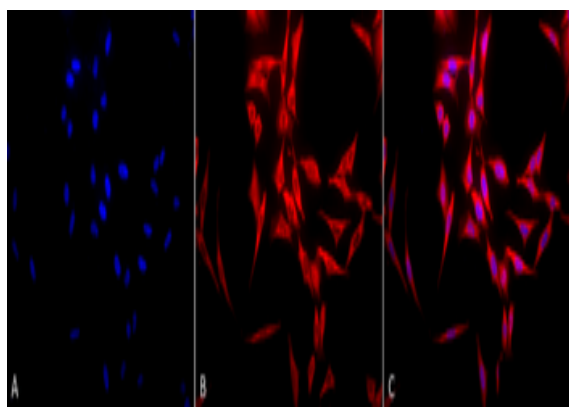
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Western blot analysis of Human, Rat brain cell lysates showing detection of HSP70 protein using Rabbit Anti-HSP70 Polyclonal Antibody. Load: 2 µg. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Rabbit Anti-HSP70 Polyclonal Antibody at 1:10000 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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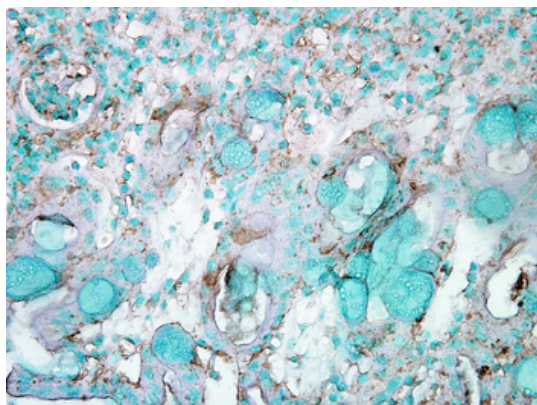
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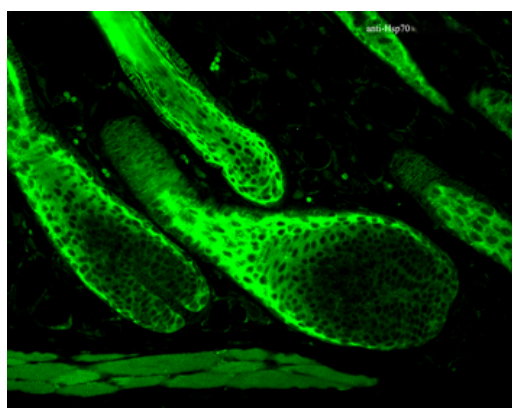
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Immunohistochemistry analysis using Rabbit Anti-HSP70 Polyclonal Antibody. Tissue: Inflamed colon. Species: Mouse. Fixation: Formalin. Primary Antibody: Rabbit Anti-HSP70 Polyclonal Antibody at 1:1000 for 12 hours at 4°C. Secondary Antibody: Biotin 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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