

Product Datasheet

HSP27 Antibody (HRP) (orb181810)

Catalog Number	orb181810
Category	Antibodies
Description	Mouse monoclonal antibody against Hsp27, conjugated to HRP.
Target	HSP27
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1 Kappa
Conjugation	HRP
Reactivity	Bovine, Canine, Guinea pig, Hamster, Human, Mouse, Rat, Sheep
Concentration	1 mg/ml
Buffer/Preservatives	73.64mM Carbonate, 54.55mM Ethanolamine, 45.45mM Cyanoborohydride, 18.18mM Sodium Hydroxide 0.23mM Citrate
Purification	Protein G Purified
Immunogen	HSP27 peptide
UniProt ID	P04792
MW	27kDa
Tested applications	FACS, FC, ICC, IF, IHC, IP, WB
Dilution range	WB (1:5000), ICC/IF (1:200), IHC (1:100)

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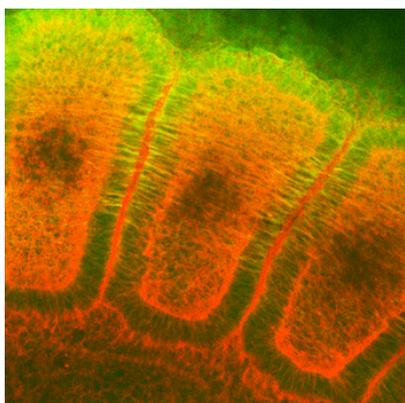
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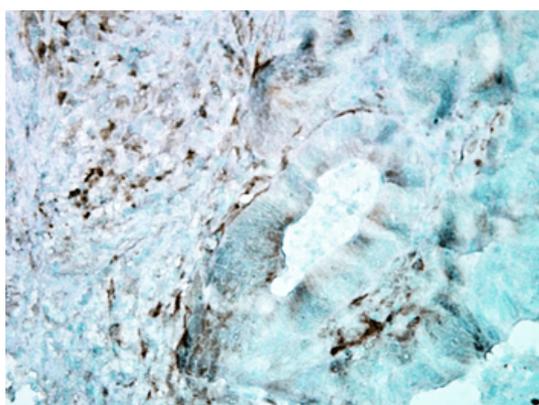
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Application notes	A 1:5000 dilution of SMC-114 was sufficient for detection of HSP27 in 20 µg of HeLa cell lysate by ECL immunoblot analysis.
Specificity	Detects ~25kDa or ~27kDa. Recognizes HSP25 and HSP27, cross reacts with alpha B crystallin.
Clone Number	8A7
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Entrez	3315
NCBI	NP_001532.1



Immunohistochemistry analysis using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 8A7. Tissue: embryo somites. Species: Rat. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:1000. Secondary Antibody: FITC Goat Anti-Mouse (green). Counterstain: Rhodamine-phalloidin labeled actin (red). Investigation at 11 days gestation.



Immunohistochemistry analysis using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 8A7. Tissue: colon carcinoma. Species: Human. Fixation: Formalin. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:5000 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.

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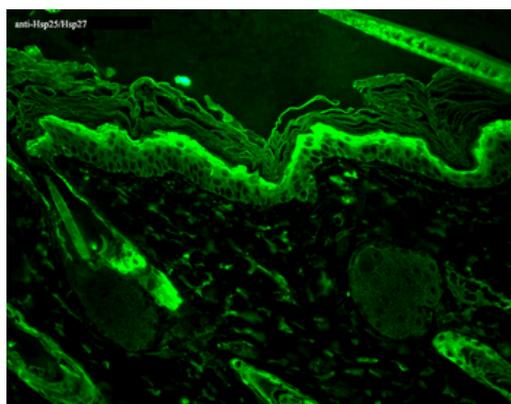
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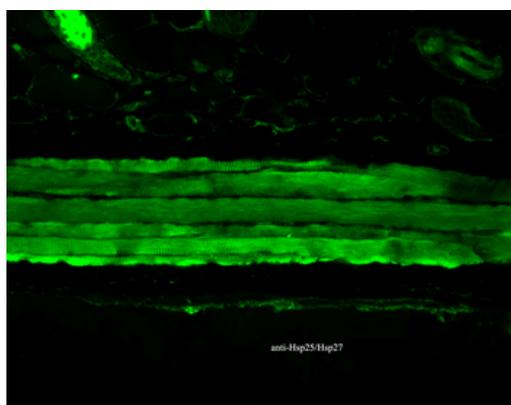
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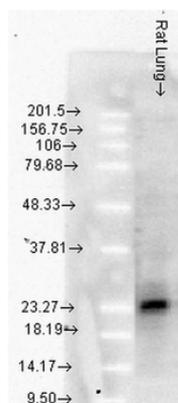
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Immunohistochemistry analysis using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 8A7. Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Epidermis.



Immunohistochemistry analysis using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 8A7. Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Epidermis.



Western Blot analysis of Rat Lung tissue lysates showing detection of Hsp27 protein using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 8A7. Load: 15 µg. Block: 5% blocking solution. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse: HRP for 1 hour at RT.

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