

## Product Datasheet

### HSP27 Antibody (FITC) (orb181809)

<b>Catalog Number</b>	orb181809
<b>Category</b>	Antibodies
<b>Description</b>	Mouse monoclonal antibody against Hsp27, conjugated to FITC.
<b>Target</b>	HSP27
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	IgG1 Kappa
<b>Conjugation</b>	FITC
<b>Reactivity</b>	Bovine, Canine, Guinea pig, Hamster, Human, Mouse, Rat, Sheep
<b>Concentration</b>	1 mg/ml
<b>Buffer/Preservatives</b>	640.91mM DMSO, 136.36 mM Ethanolamine, 126.89 mM chlorides, 9.09mM phosphates, 9.09mM NaHCO <sub>3</sub>
<b>Purification</b>	Protein G Purified
<b>Immunogen</b>	HSP27 peptide
<b>UniProt ID</b>	<b>P04792</b>
<b>MW</b>	27kDa
<b>Tested applications</b>	FACS, FC, ICC, IF, IHC, IP, WB
<b>Dilution range</b>	WB (1:5000), ICC/IF (1:200), IHC (1:100)

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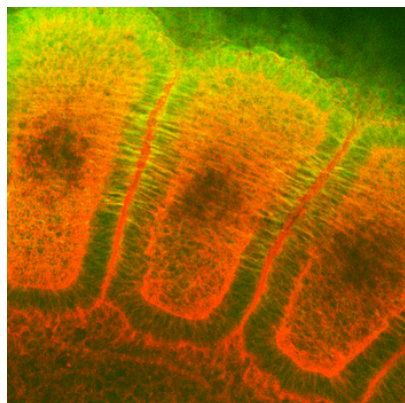
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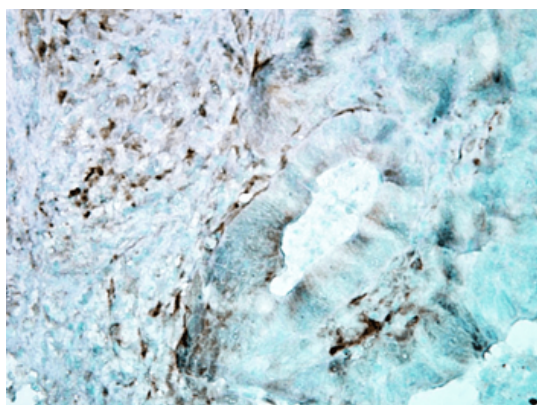
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<b>Application notes</b>	A 1:5000 dilution was sufficient for detection of HSP27 in 20 µg of HeLa cell lysate by ECL immunoblot analysis.
<b>Specificity</b>	Detects ~25kDa or ~27kDa. Recognizes HSP25 and HSP27, cross reacts with alpha B crystallin.
<b>Clone Number</b>	8A7
<b>Storage</b>	Conjugated antibodies should be stored according to the product label
<b>Note</b>	For research use only
<b>Entrez</b>	<b>3315</b>
<b>NCBI</b>	<b>NP_001532.1</b>
<b>Expiration Date</b>	12 months from date of receipt.



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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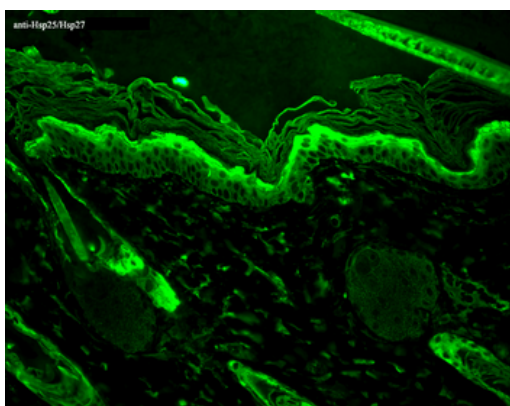
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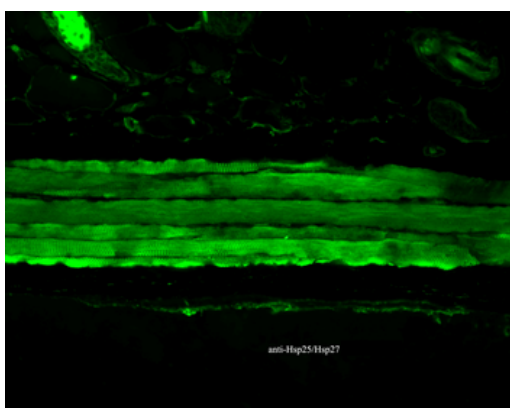
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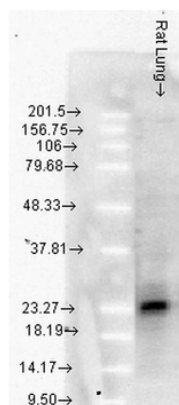
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Immunohistochemistry analysis using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 8A7. Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:100 for 1 hour at RT. 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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