

Product Datasheet

HSP27 Antibody (RPE) (orb181813)

Catalog Number	orb181813
Category	Antibodies
Description	Mouse monoclonal antibody against Hsp27, conjugated to RPE.
Target	HSP27
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1 Kappa
Conjugation	RPE
Reactivity	Bovine, Canine, Guinea pig, Hamster, Human, Mouse, Rat, Sheep
Concentration	1 mg/ml
Buffer/Preservatives	95.46mM Phosphate, 2.48mM MES and 2mM EDTA
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)

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

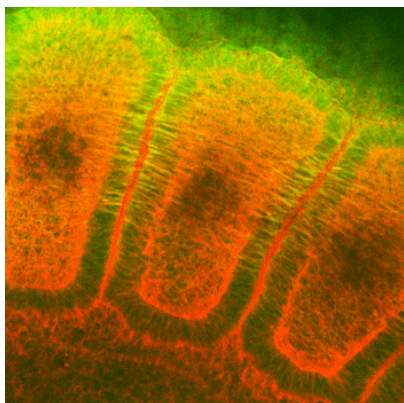
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

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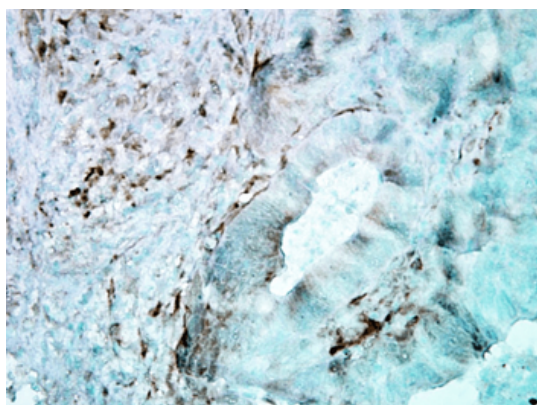
68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Application notes	A 1:5000 dilution 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
Expiration Date	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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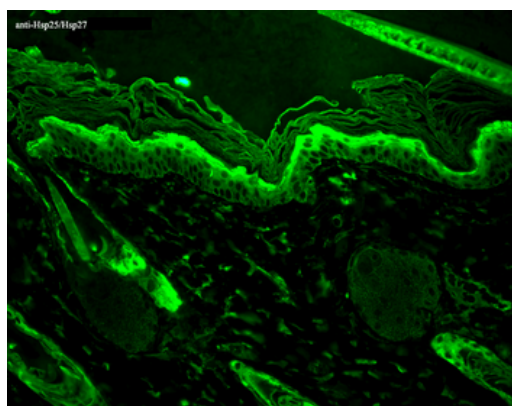
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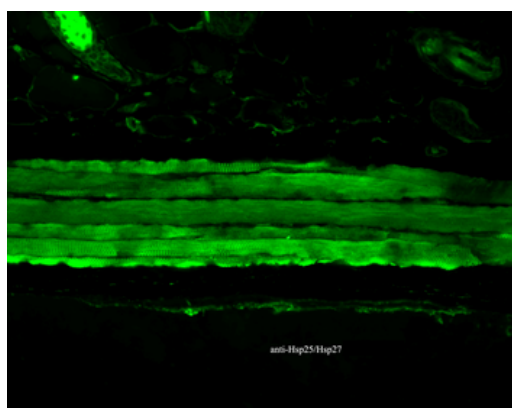
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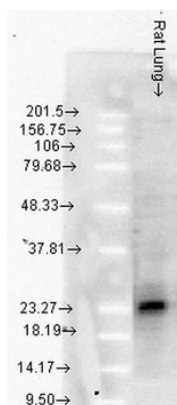
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Immunohistochemistry analysis using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 8A7. Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:100 for 1 hour at RT. 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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