Product Datasheet

HSP27 Antibody (APC) (orb147516)

Catalog Number	orb147516
Category	Antibodies
Description	Mouse monoclonal to Hsp27 (APC). Hsp27s belong to an abundant and ubiquitous family of Hsp27s belong to an abundant and ubiquitous family of...
Target	HSP27
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG2b Kappa
Conjugation	APC
Reactivity	Human
Concentration	1 mg/ml
Buffer/Preservatives	95.46mM Phosphate, 2.48mM MES and 2mM EDTA
Purification	Protein G Purified
Immunogen	Full length human HSP27
UniProt ID	P04792
MW	27kDa
Tested applications	ELISA, FC, ICC, IF, IHC, IP, WB
Dilution range	WB (1:2000), ICC/IF (1:100)

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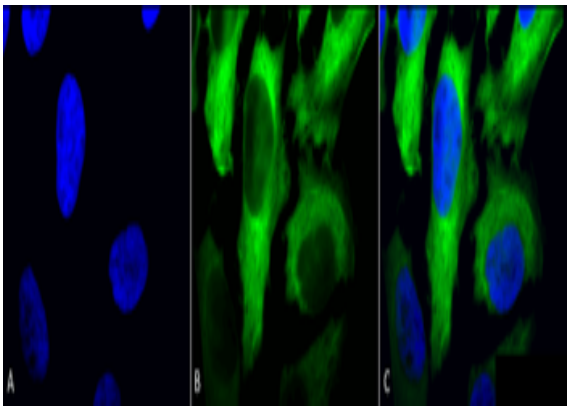
Application notes	0.5 µg/ml was sufficient for detection of HSP27 in 10 µg of HeLa lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Specificity	Detects ~27kDa. Has no cross-reactivity to Alpha B crystallin. Very limited cross-reactivity to other species.
Clone Number	5D12-A12
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Entrez	**3315**
NCBI	**NP_001531.1**
Expiration Date	12 months from date of receipt.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 5D12-A3. Tissue: Heat Shocked cervical cancer cells (HeLa). Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:100 for 12 hours at 4°C. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Cytoplasm. Nucleus. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-Hsp27 Antibody. (C) Composite. Heat Shocked at 42°C for 1h.

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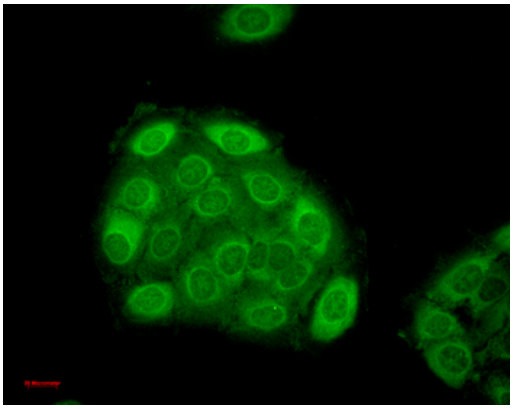
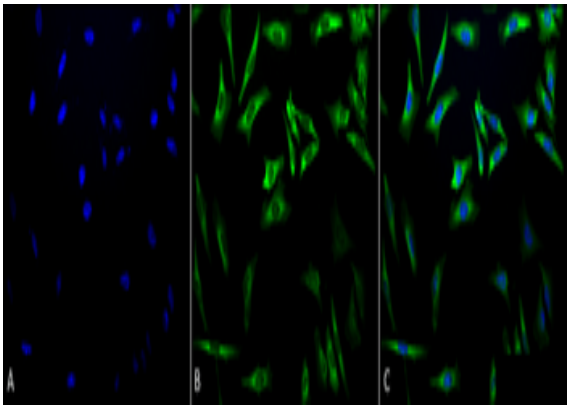


Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 5D12-A3. Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20°C. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Dull heterogeneous staining, some perinuclear, some nuclear and some cytoplasmic staining.



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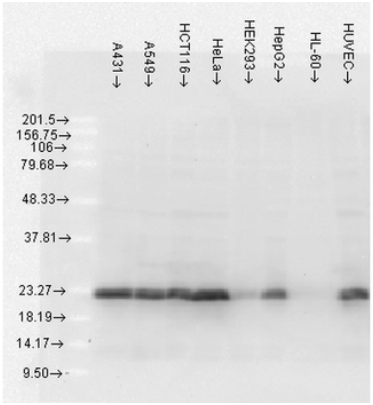

Western Blot analysis of Human Cell lysates showing detection of Hsp27 protein using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 5D12-A3. Load: 15 µg. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.

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