

Product Datasheet

HSP27 Rabbit Polyclonal Antibody (orb10845)

Catalog Number	orb10845
Category	Antibodies
Description	HSP27 Rabbit Polyclonal Antibody
Target	HSPB1
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Rat
Predicted Reactivity	Bovine, Canine, Mouse, Porcine
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated synthetic peptide derived from human HSP27 (101-205/205aa)
UniProt ID	P04792
RRID	AB_10751108
MW	27 kDa

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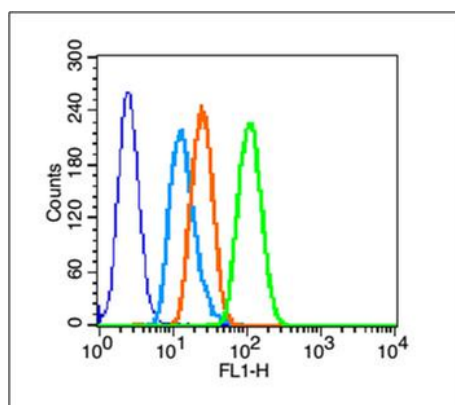
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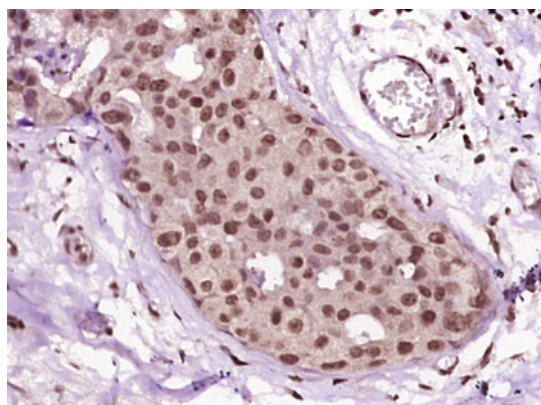
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Tested applications	FC, IF, IHC-Fr, IHC-P, WB
Dilution range	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=2µg/Test
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Blank control (blue line): A431 cells (blue). Primary Antibody (green line): Rabbit Anti-HSP27 antibody (orb10845), Dilution: 2 µg/10⁶ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC, Dilution: 1 µg/Test. Protocol, The cells were fixed with 70% methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2% BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



Paraformaldehyde-fixed, paraffin embedded (Human breast cancer), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (HSP27) Polyclonal Antibody, Unconjugated (orb10845) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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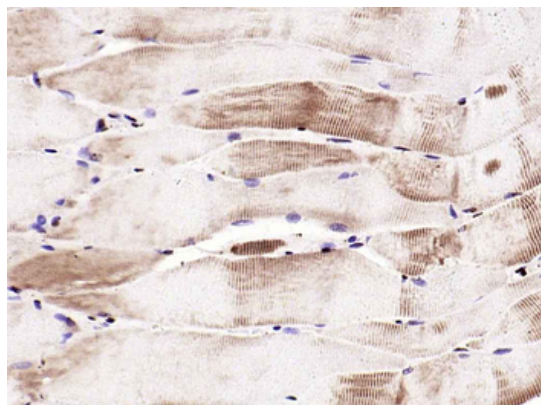
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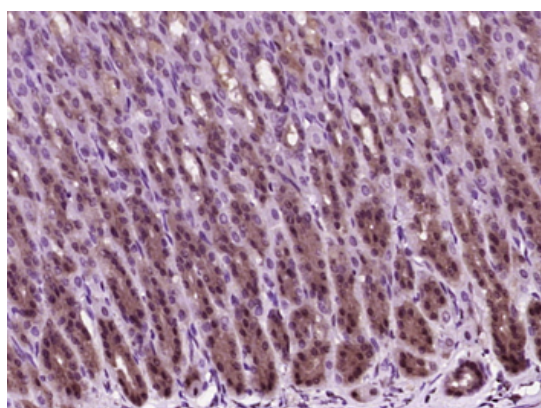
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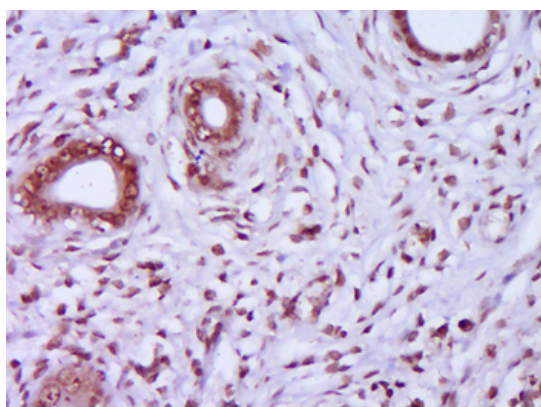
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Paraformaldehyde-fixed, paraffin embedded (rat skeletal muscle), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (HSP27) Polyclonal Antibody, Unconjugated (orb10845) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat stomach tissue), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (HSP27) Polyclonal Antibody, Unconjugated (orb10845) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat uterus), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (HSP27) Polyclonal Antibody, Unconjugated (orb10845) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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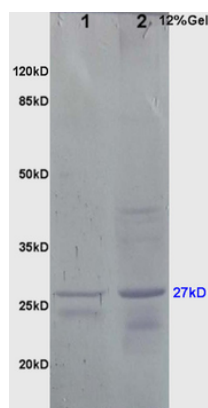
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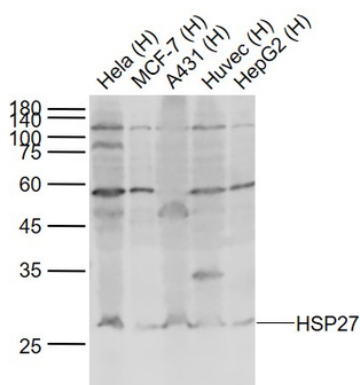
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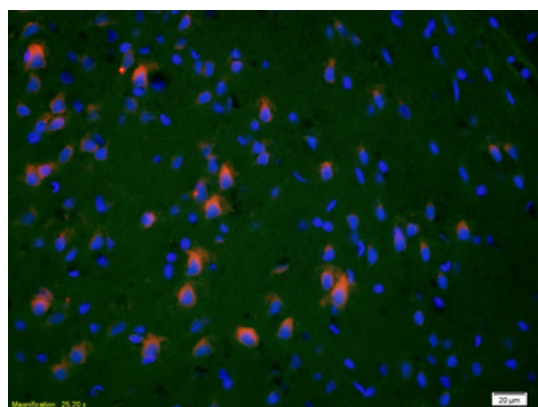
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Sample: Brain (Mouse) lysate at 30 ug, Liver (Mouse) lysate at 30 ug, Primary: Anti-HSP-27 (orb10845) at 1:200, Secondary: AP conjugated Goat Anti-Rabbit IgG at 1:3000 dilution, NBT/BCIP staining, Predicted band size: 27kD, Observed band size: 27kD.



Sample: Lane 1: HeLa (Human) Cell Lysate at 30 ug, Lane 2: MCF-7 (Human) Cell Lysate at 30 ug, Lane 3: A431 (Human) Cell Lysate at 30 ug, Lane 4: Huvec (Human) Cell Lysate at 30 ug, Lane 5: HepG2 (Human) Cell Lysate at 30 ug, Primary: Anti-HSP27 (orb10845) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 27-30 kD, Observed band size: 27 kD.



Tissue/Cell: rat brain tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-HSP-27 Polyclonal Antibody, Unconjugated (orb10845) 1:200, overnight at 4°C, The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated (orb868589) used at 1:200 dilution for 40 minutes at 37°C. DAPI (5 ug/ml, blue) was used to stain the cell nuclei.

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