

Mouse anti-Human, Pig Heat Shock Protein 27 (Hsp27) Monoclonal Antibody | anti-Hsp27 antibody

Monoclonal Antibody to Heat Shock Protein 27 (Hsp27)

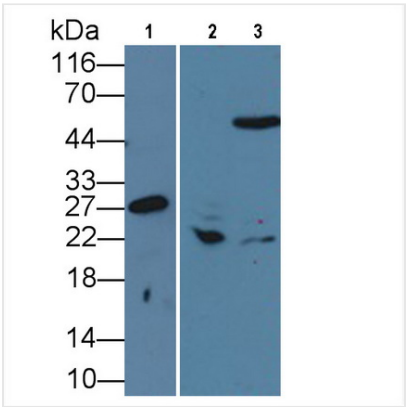
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA21186	Mouse	Human, Pig	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunoprecipitation

PRODUCT SYNONYMS

Heat Shock Protein 27 (Hsp27); Monoclonal Antibody; Monoclonal Antibody to Heat Shock Protein 27 (Hsp27); Hsp27/Heat Shock Protein 27; HSPB1; CMT2F; HSP28; Hsp25; Heat Shock 27kDa Protein 1; 28 kDa heat shock protein; Heat shock protein beta1; Estrogenregulated 24 kDa protein; anti-Hsp27 antibody

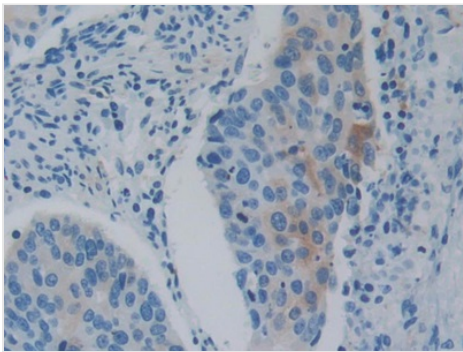
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Pig
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	C4
Specificity	The antibody is a mouse monoclonal antibody raised against Hsp27. It has been selected for its ability to recognize Hsp27 in immunohistochemical staining and western blotting.
Purity/Purification	Protein A + Protein G affinity chromatography
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin300, 50% glycerol.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-Hsp27 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IP (Immunoprecipitation)
Application Notes	WB: 0.52ug/mL IHC: 520ug/mL ICC: 520ug/mL
Immunogen Type	Prokaryotic Recombinant proteins/RP
Sequence of Immunogen	Thr2~Lys205
Conjugation	Unconjugated
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, 20 degree C for 24 months The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



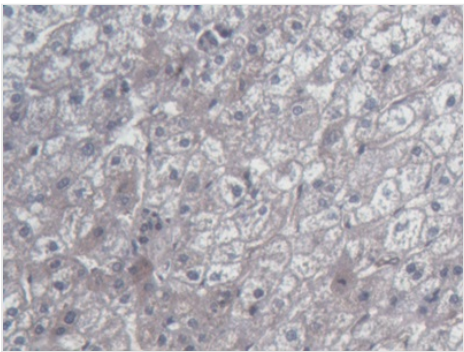
WB (Western Blot)

Western Blot; Sample: Lane1: Human Lung lysate; Lane2: Porcine Skeletal muscle lysate; Lane3: Porcine Heart lysate Primary Ab: 2ug/ml Mouse AntiHuman Hsp27 Antibody Second Ab: 0.2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19



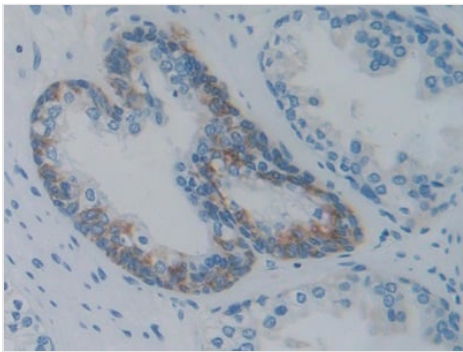
IHC (Immunohistochemistry)

DAB staining on IHCP;Sample: Human Lung cancer Tissue; Primary Ab: 30ug/ml Mouse AntiHuman Hsp27 AntibodySecond Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody(Catalog: SAA544Mu19



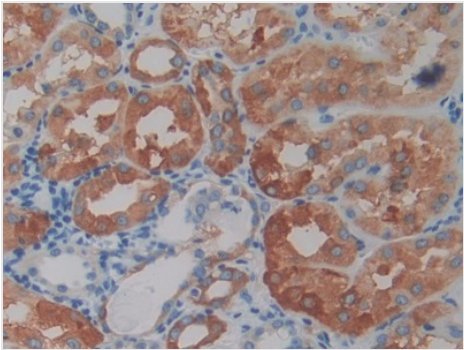
IHC (Immunohistochemistry)

DAB staining on IHCP;Sample: Human Liver Tissue; Primary Ab: 30ug/ml Mouse AntiHuman Hsp27 AntibodySecond Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody(Catalog: SAA544Mu19



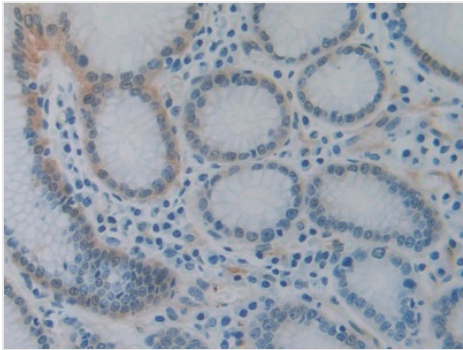
IHC (Immunohistochemistry)

DAB staining on IHCP;Sample: Human Prostate Tissue; Primary Ab: 30ug/ml Mouse AntiHuman Hsp27 AntibodySecond Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody(Catalog: SAA544Mu19



IHC (Immunohistochemistry)

DAB staining on IHCP;Sample: Human Kidney Tissue; Primary Ab: 30ug/ml Mouse AntiHuman Hsp27 AntibodySecond Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody(Catalog: SAA544Mu19



IHC (Immunohistochemistry)

DAB staining on IHCP;Sample: Human Stomach Tissue; Primary Ab: 30ug/ml Mouse AntiHuman Hsp27 AntibodySecond Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody(Catalog: SAA544Mu19

ADDITIONAL INFORMATION

Product Categories/Family for anti-Hsp27 antibody	Signal transduction; Tumor immunity; Developmental science; Primary
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504517
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NCBI GeneID	3315
NCBI Accession #	NP_001531.1
NCBI GenBank Nucleotide #	NM_001540.3
UniProt Accession #	p04792; Q6FI47; Q96C20; Q96EI7; Q9UC31; Q9UC34; Q9UC35; Q9UC36; B2R4N8; P04792
Molecular Weight	22,783 Da
NCBI Official Full Name	heat shock protein beta-1
NCBI Official Synonym Full Names	heat shock 27kDa protein 1
NCBI Official Symbol	HSPB1
NCBI Official Synonym Symbols	CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067
NCBI Protein Information	heat shock protein beta-1; HSP 27; 28 kDa heat shock protein; heat shock 27 kDa protein; heat shock 27kD protein 1; stress-responsive protein 27; estrogen-regulated 24 kDa protein
UniProt Protein Name	Heat shock protein beta-1
UniProt Gene Name	HSPB1
UniProt Synonym Gene Names	HSP27; HSP28; HspB1; HSP 27; SRP27
UniProt Entry Name	HSPB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/heat-shock-protein-27-hsp27-antibody-clone-c4-western-blot-immunohistochemistry-immunocytochemistry-immunoprecipitation-elisa/21186>