

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

Monoclonal Antibody to Heat Shock Protein 27 (Hsp27)

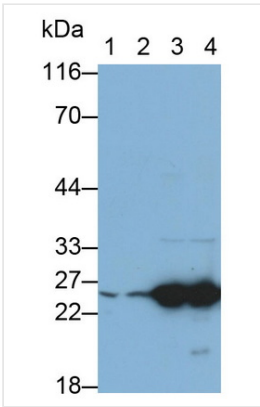
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA21235	Mouse	Human, Pig	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunoprecipitation

PRODUCT SYNONYMS

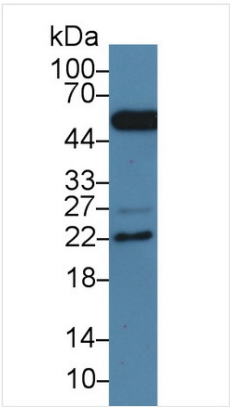
Heat Shock Protein 27 (Hsp27); Monoclonal Antibody; Monoclonal Antibody to Heat Shock Protein 27 (Hsp27); Heat Shock Protein 27; HSPB1; HSP-B1; CMT2F; HSP28; Hsp25; Heat Shock 27kDa Protein 1; 28 kDa heat shock protein; Heat shock protein beta-1; Estrogen-reulated 24 kDa protein;; anti-Hsp27 antibody

PRODUCT SPECIFICATIONS

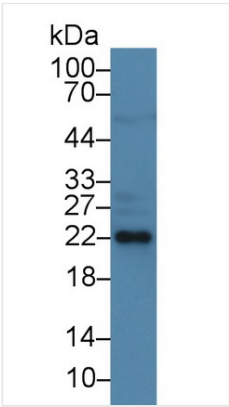
Host	Mouse
Reactivity	Human, Pig
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	c1
Specificity	The antibody is a mouse monoclonal antibody raised against Hsp27. It has been selected for its ability to recognize Hsp27 in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Liquid. 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Concentration	1mg/mL (varies by lot)
Sequence Positions	Thr2~Lys205
Applicable Applications for anti-Hsp27 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IP (Immunoprecipitation)
Application Notes	WB: 0.5-3ug/mL IHC: 5-30ug/mL ICC: 5-30ug/mL
Immunogen	Recombinant Heat Shock Protein 27 (Hsp27)
Preparation and Storage	Store at 4 degree C for frequent use. Store at -20 degree C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. Stable for 12 months if correctly stored. 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.



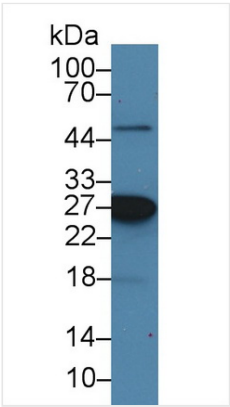
WB (Western Blot)
Western Blot; Sample: Lane1: Porcine Heart lysate; Lane2: Porcine Skeletal muscle lysate; Lane3: Hela cell lysate; Lane4: HepG2 cell lysatePrimary Ab: 0.2ug/ml Mouse Anti-human Hsp27 AntibodySecond Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



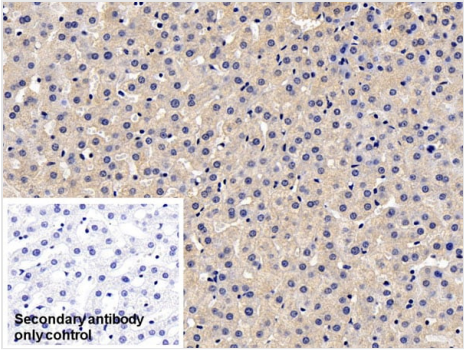
WB (Western Blot)
Western Blot; Sample: Porcine Heart lysate; Primary Ab: 2ug/ml Mouse Anti-human HSPB1 AntibodySecond Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



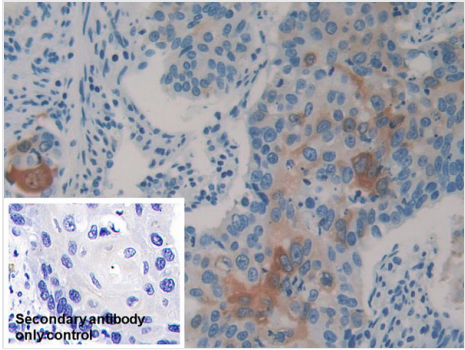
WB (Western Blot)
Western Blot; Sample: Porcine Skeletal muscle lysate; Primary Ab: 2ug/ml Mouse Anti-human HSPB1 AntibodySecond Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



WB (Western Blot)
Western Blot; Sample: human Lung lysate; Primary Ab: 2ug/ml Mouse Anti-human HSPB1 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



IHC (Immunohistochemistry)
DAB staining on IHC-P;Sample: Porcine Liver TissuePrimary Ab: 30ug/ml Mouse Anti-human Hsp27 AntibodyControl: Used PBS instead of primary antibodySecond Ab: 2ug/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



IHC (Immunohistochemistry)
DAB staining on IHC-P;Sample: human Lung cancer TissuePrimary Ab: 30ug/ml Mouse Anti-human Hsp27 AntibodyControl: Used PBS instead of primary antibodySecond Ab: 2ug/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

ADDITIONAL INFORMATION

Product Categories/Family for anti-Hsp27 antibody	Monoclonal Antibodies (Primary Abs); Monoclonal antibodies; Signal transduction
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504517
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-c1-western-blot-immunohistochemistry-immunocytochemistry-immunoprecipitation-elisa/21235>