

Rabbit Heat shock protein beta-1 Polyclonal Antibody | anti-HSPB1 antibody

Anti-Hsp27 Antibody

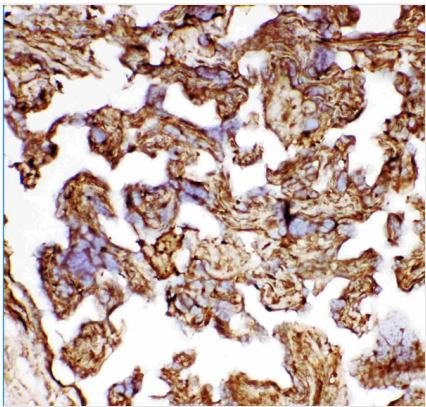
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46032	Rabbit	Human. No cross reactivity with other proteins.	Immunohistochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

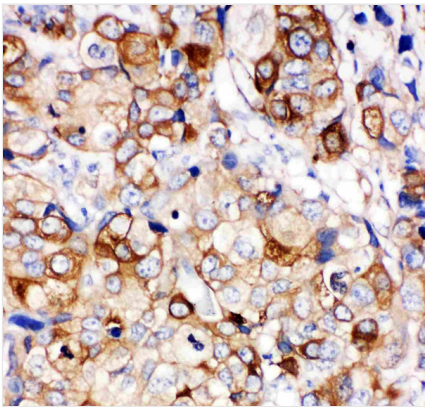
Heat shock protein beta-1; Polyclonal Antibody; Anti-Hsp27 Antibody; Heat shock 27kDa protein antibody; 28 kDa heat shock protein antibody; CMT2F antibody; DKFZp586P1322 antibody; Estrogen regulated 24 kDa protein antibody; Estrogen-regulated 24 kDa protein antibody; Heat shock 25kDa protein 1 antibody; Heat shock 27 kDa protein antibody; Heat shock 27kD protein 1 antibody; Heat shock 27kDa protein 1 antibody; Heat shock 28kDa protein 1 antibody; Heat Shock Protein 27 antibody; Heat shock protein beta 1 antibody; Heat shock protein beta-1 antibody; Heat Shock Protein27 antibody; HMN2B antibody; HS.76067 antibody; Hsp 25 antibody; Hsp 27 antibody; Hsp 28 antibody; Hsp B1 antibody; Hsp25 antibody; HSP27 antibody; Hsp28 antibody; HspB1 antibody; HSPB1_HUMAN antibody; SRP27 antibody; Stress responsive protein 27 antibody; Stress-responsive protein 27 antibody; heat shock 27kDa protein 1; anti-HSPB1 antibody

PRODUCT SPECIFICATIONS

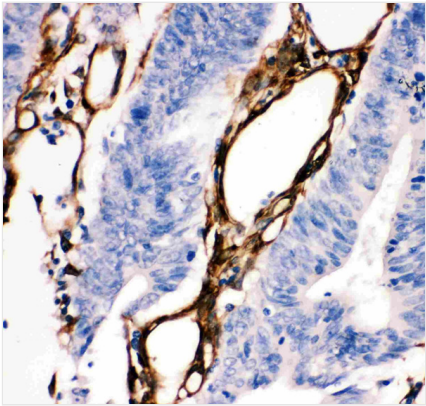
Host	Rabbit
Reactivity	Human. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	205
Applicable Applications for anti-HSPB1 antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human Hsp27 recombinant protein (Position: M1-K205). Human Hsp27 shares 83% amino acid (aa) sequence identity with mouse Hsp27.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



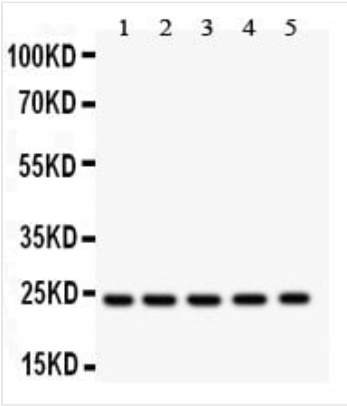
IHC (Immunohistochemistry)
Anti- HSP27 antibody, AAA46032, IHC(F)IHC(F): Human Placenta Tissue



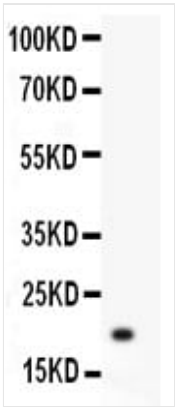
IHC (Immunohistochemistry)
Anti- HSP27 antibody, AAA46032, IHC(P)IHC(P): Human Mammary Cancer Tissue



IHC (Immunohistochemistry)
Anti- HSP27 antibody, AAA46032, IHC(P)IHC(P): Human Intestinal Cancer Tissue



WB (Western Blot)
Anti- HSP27 antibody, AAA46032, Western blottingAll lanes: Anti HSP27 (AAA46032) at 0.5ug/mlLane 1: NRK Whole Cell Lysate at 40ugLane 2: HELA Whole Cell Lysate at 40ugLane 3: A549 Whole Cell Lysate at 40ugLane 4: COLO320 Whole Cell Lysate at 40ugLane 5: HEPG2 Whole Cell Lysate at 40ugPredicted bind size: 23KDObserved bind size: 23KD



WB (Western Blot)
Anti- HSP27 antibody, AAA46032, Western blottingAll lanes: Anti HSP27 (AAA46032) at 0.5ug/mlWB: Recombinant Human HSP27 Protein 0.5ngPredicted bind size: 19KDObserved bind size: 19KD

ADDITIONAL INFORMATION

Related Product Information for anti-HSPB1 antibody	Description: Rabbit IgG polyclonal antibody for Heat shock protein beta-1(HSPB1) detection. Tested with WB, IHC-P, IHC-F in Human. Background: HSPB1(Heat shock 27kDa protein 1), also known as HSP27, is a protein that in humans is encoded by the HSPB1 gene. HSP27 gene is mapped to 7q11.23. The protein encoded by this gene is induced by environmental stress and developmental changes. The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN).
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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
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; HEL-S-102
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; epididymis secretory protein Li 102
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.