

Rabbit anti-Human HSP27 (HSPB1) Polyclonal Antibody | anti-HSPB1 antibody

HSP27 (HSPB1) Antibody (S83)

CATALOG # AAA290313	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
-------------------------------	-----------------------	----------------------------	--

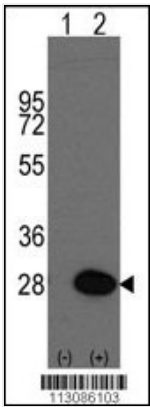
PRODUCT SYNONYMS

HSP27 (HSPB1); Polyclonal Antibody; HSP27 (HSPB1) Antibody (S83); Heat shock protein beta-1; HspB1; 28 kDa heat shock protein; Estrogen-regulated 24 kDa protein; Heat shock 27 kDa protein; HSP 27; Stress-responsive protein 27; SRP27; HSPB1; HSP27; HSP28; anti-HSPB1 antibody

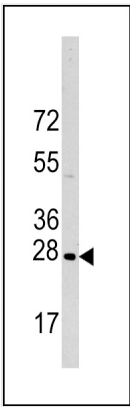
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HSP27(HSPB1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 61-90 amino acids from human HSP27(HSPB1).
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	61-90
Sequence Length	205
Applicable Applications for anti-HSPB1 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of HSPB1 (arrow) using rabbit polyclonal HSPB1 Antibody (S83). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the HSPB1 gene (Lane 2) (Origene Technologies).



WB (Western Blot)
Western blot analysis of HSPB1 Antibody (S83) in HeLa cell line lysates (35ug/lane). HSPB1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-HSPB1 antibody	In response to adverse changes in their environment, cells from many organisms increase the expression of a class of proteins referred to as heat shock or stress proteins. HSBP1 exhibits rapid increased phosphorylation in response to various mitogens, tumor promoters (e.g. phorbol esters) and calcium ionophores, and high levels are associated with carcinoma of the breast and with endometrial adenocarcinomas. Heat shock of HeLa cell cultures, or treatment with arsenite, phorbol ester, or tumor necrosis factor, causes a rapid phosphorylation of preexisting HSBP1, with Ser82 as the major site and Ser78 the minor site of phosphorylation. HSBP1 may exert phosphorylation-activated functions linked with growth signaling pathways in unstressed cells. A homeostatic function at this level could protect cells from adverse effects of signal transduction systems which may be activated inappropriately during stress.
Product Categories/Family for anti-HSPB1 antibody	Cancer; Cardiovascular; Cell Biology; Neuroscience
References	Wano, C., et al., Exp. Cell Res. 298(2):584-592 (2004). Evgrafov, O.V., et al., Nat. Genet. 36(6):602-606 (2004). Song, H., et al., Biochem. Biophys. Res. Commun. 314(1):143-150 (2004). Chauhan, D., et al., Blood 102(9):3379-3386 (2003). Van Why, S.K., et al., J. Am. Soc. Nephrol. 14(1):98-106 (2003).

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	22783
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/hsp27-hspb1-antibody-western-blot-elisa/290313>