

Rabbit HSPB1-S82 Antibody | anti-HSPB1 antibody

Phospho-HSPB1-S82 Polyclonal Antibody

CATALOG #	HOST	APPLICATIONS
AAA36652	Rabbit	Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot

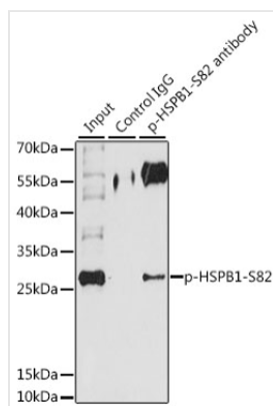
PRODUCT SYNONYMS

HSPB1-S82; Phospho-HSPB1-S82 Polyclonal Antibody; HSPB1; CMT2F; HEL-S-102; HMN2B; HS.76067; HSP27; HSP28; Hsp25; SRP27; anti-HSPB1 antibody

PRODUCT SPECIFICATIONS

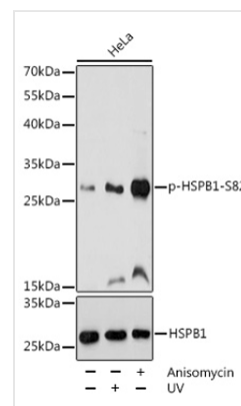
Host	Rabbit
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.09% Sodium azide,50% glycerol,pH7.3.
Sequence Length	205
Applicable Applications for anti-HSPB1 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Category	Primary Antibody
Immunogen	A synthetic phosphorylated peptide around S82 of human HSPB1 (NP_001531.1).
Species Reactivity/Cross-Reactivity	Human
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



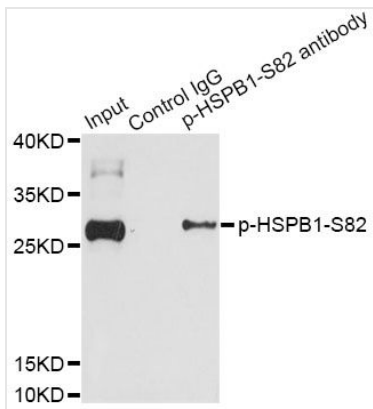
IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of HeLa cells, using 3 ug Phospho-HSPB1-S82 pAb (AAA36652). Western blot was performed from the immunoprecipitate using Phospho-HSPB1-S82 pAb (AAA36652) at a dilution of 1:1000. HeLa cells were treated by EGF (100 ng/mL) at 37°C for 30 minutes after serum-starvation overnight.



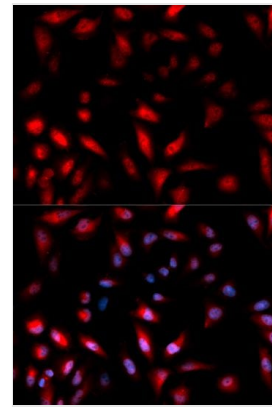
WB (Western Blot)

Western blot analysis of extracts of HeLa cells, using Phospho-HSPB1-S82 pAb (AAA36652) at 1:1000 dilution or HSPB1 antibody. HeLa cells were treated by UV at room temperature for 15-30 minutes. HeLa cells were treated by Anisomycin (25 ug/mL) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit. Exposure time: 10s.



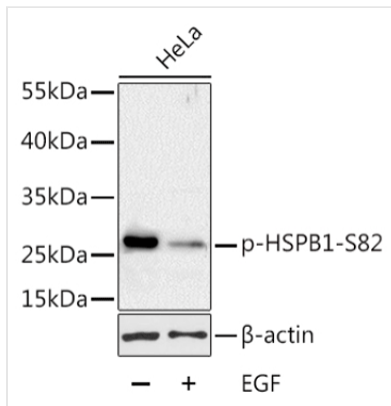
IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of HeLa cells treated by EGF using 2.5ug Phospho-HSPB1-S82 antibody. Western blot was performed from the immunoprecipitate using Phospho-HSPB1-S82 antibody at a dilution of 1:1000.



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using Phospho-HSPB1-S82 antibody (AAA36652). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of HeLa cells, using Phospho-HSPB1-S82 antibody at 1:1000 dilution. HeLa cells were treated by EGF (100ng/ml) for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit. Exposure time: 1min.

ADDITIONAL INFORMATION

Related Product Information for anti-HSPB1 antibody	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).
Product Categories/Family for anti-HSPB1 antibody	Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	19855073
NCBI GeneID	3315
UniProt Accession #	P04792 ; Q6FI47 ; Q96C20 ; Q96EI7 ; Q9UC31 ; Q9UC34 ; Q9UC35 ; Q9UC36 ; B2R4N8
Molecular Weight	Observed MW: 28 kDa Calculated MW: 22 kDa
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.

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Online datasheet: <https://www.aaabiotech.com/rabbit-antibody/hspb1-s82/36652>