

## Rabbit HSPB1-S15 Antibody | anti-HSPB1 antibody

Phospho-HSPB1-S15 Polyclonal Antibody

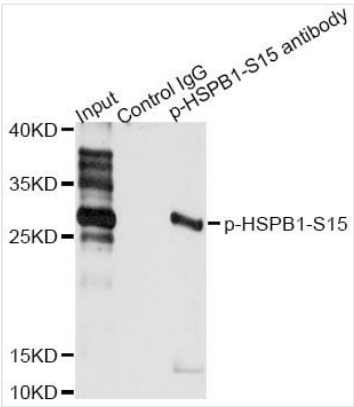
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                       |
|-----------|--------|-------------------|------------------------------------|
| AAA36691  | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

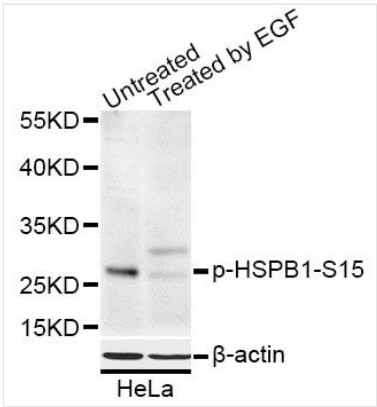
HSPB1-S15; Phospho-HSPB1-S15 Polyclonal Antibody; Phospho-HSPB1-S15: CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067; HEL-S-102; anti-HSPB1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                     |
| Isotype                                         | IgG                                                                                                                                                   |
| Purity/Purification                             | Affinity Purification                                                                                                                                 |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                |
| Sequence Length                                 | 205                                                                                                                                                   |
| Applicable Applications for anti-HSPB1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Species                                         | Human                                                                                                                                                 |
| Route                                           | Synthetic Peptide                                                                                                                                     |
| Immunogen                                       | A phospho specific peptide corresponding to residues surrounding S15 of human HSPB1                                                                   |
| Calculated Molecular Weight                     | 22kDa                                                                                                                                                 |
| Preparation and Storage                         | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |



**IP (Immunoprecipitation)**  
Immunoprecipitation analysis of 200ug extracts of HeLa cells treated by EGF using 2.5ug Phospho-HSPB1-S15 antibody. Western blot was performed from the immunoprecipitate using Phospho-HSPB1-S15 antibody at a dilution of 1:1000.



**WB (Western Blot)**  
Western blot analysis of extracts of HeLa cells, using Phospho-HSPB1-S15 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: 5min.

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                 | 205                                                                                                                                                                                                                      |
| 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.