

## Rabbit anti-Human HSPB1 Polyclonal Antibody | anti-HSPB1 antibody

HSPB1 Antibody

|                               |                       |                            |                                                                  |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA234120</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|

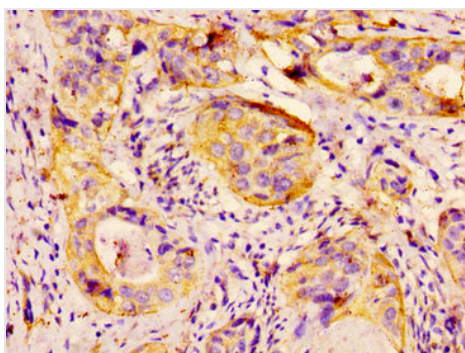
### PRODUCT SYNONYMS

HSPB1; Polyclonal Antibody; HSPB1 Antibody; 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; HSP27; HSP28; anti-HSPB1 antibody

### PRODUCT SPECIFICATIONS

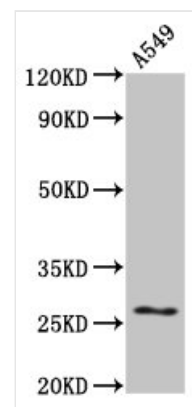
|                                                 |                                                                                  |
|-------------------------------------------------|----------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                           |
| Reactivity                                      | Human                                                                            |
| Clonality                                       | Polyclonal                                                                       |
| Isotype                                         | IgG                                                                              |
| Purity/Purification                             | >95%, Protein G purified                                                         |
| Form/Format                                     | Liquid                                                                           |
| Sequence Length                                 | 205                                                                              |
| Applicable Applications for anti-HSPB1 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                             |
| Immunogen                                       | Recombinant Human Heat shock protein beta-1 protein (108-205AA)                  |
| Conjugation                                     | Non-conjugated                                                                   |
| Buffer                                          | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| Preparation and Storage                         | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.      |

### IMAGES



#### IHC (Immunohistochemistry)

IHC image of AAA234120 diluted at 1:300 and staining in paraffin-embedded human cervical cancer performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### WB (Western Blot)

Western Blot Positive WB detected in: A549 whole cell lysate All lanes: HSPB1 antibody at 4ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 23 KDa Observed band size: 27 KDa

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HSPB1 antibody | Small heat shock protein which functions as a molecular chaperone probably maintaining denatured proteins in a folding-competent state (PubMed:10383393, PubMed:20178975). Plays a role in stress resistance and actin organization (PubMed:19166925). Through its molecular chaperone activity may regulate numerous biological processes including the phosphorylation and the axonal transport of neurofilament proteins (PubMed:23728742). |
| Product Categories/Family for anti-HSPB1 antibody   | Cancer; Cardiovascular; Signal transduction                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 4504517                                                                |
| NCBI GeneID                      | 3315                                                                   |
| NCBI Accession #                 | NP_001531.1                                                            |
| NCBI GenBank Nucleotide #        | NM_001540.4                                                            |
| 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 protein family B (small) member 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                                     |

**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/polyclonal/hspb1-antibody-immunohistochemistry-western-blot-elisa/234120>