

## Rabbit HSP27 Polyclonal Antibody | anti-HSP27 antibody

HSP27 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA29045  | Rabbit | Human, Mouse, Rat | Western Blot, Immunohistochemistry, Immunofluorescence |

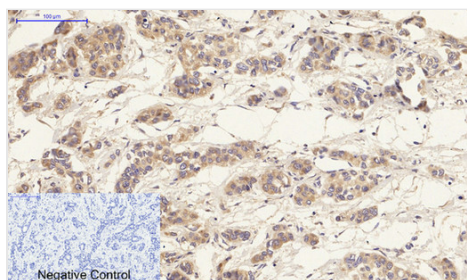
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

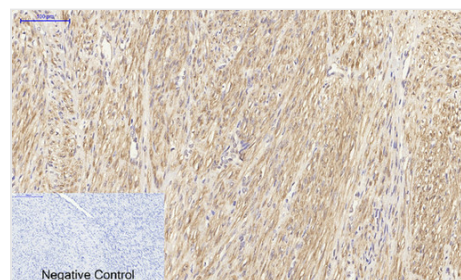
|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Applicable Applications for anti-HSP27 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)                                                                                |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



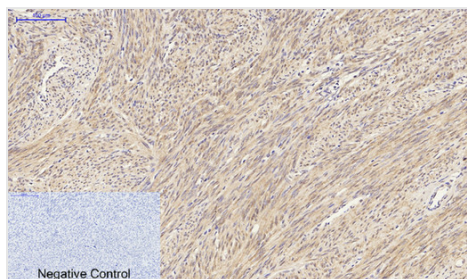
#### IHC (Immunohistochemistry)

Dilution: IF: 1:50-200 Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.



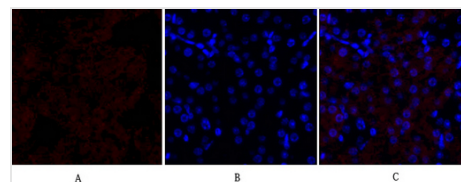
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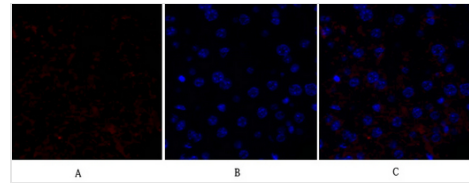
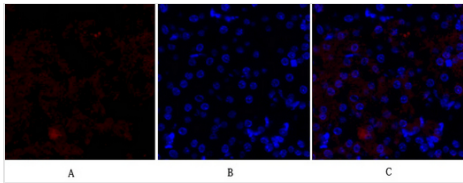
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#### IF (Immunofluorescence)

Dilution: IF: 1:50-200 Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.



#### Application Data

Dilution: IF: 1:50-200 Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

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## ADDITIONAL INFORMATION

### Related Product Information for anti-HSP27 antibody

Small heat shock protein which functions as a molecular chaperone probably maintaining denatured proteins in a folding- competent state (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).

## 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                                                                                                                                  |
| 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 |
| UniProt Protein Name             | Heat shock protein beta-1                                                                                                                                                           |
| UniProt Gene Name                | <b>HSPB1</b>                                                                                                                                                                        |
| 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](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/hsp27-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/29045>