

## Rabbit anti-Human Hsp27/HSPB1 Monoclonal Antibody | anti-HSPB1 antibody

Recombinant Anti-Hsp27/HSPB1 Antibody, Rabbit Monoclonal

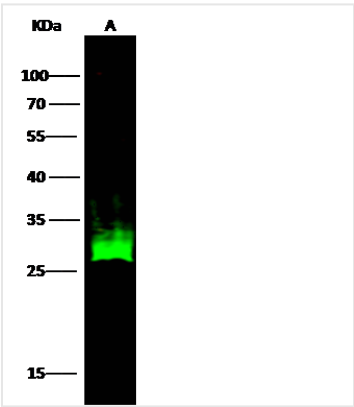
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                    |
|-----------|--------|------------|-------------------------------------------------|
| AAA254858 | Rabbit | Human      | Immunoprecipitation, ELISA, ELISA, Western Blot |

### PRODUCT SYNONYMS

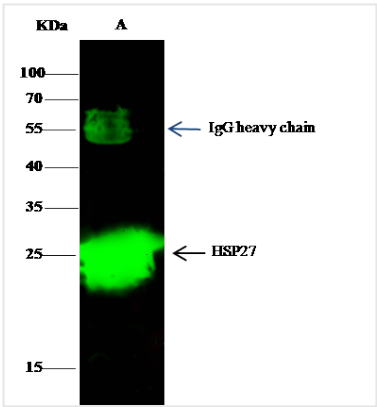
Hsp27/HSPB1; Monoclonal Antibody; Recombinant Anti-Hsp27/HSPB1 Antibody; Rabbit Monoclonal; HSP27/HSPB1 Antibody; Rabbit MAb; heat shock 27kDa protein 1; Anti-CMT2F Antibody; Anti-HEL-S-102 Antibody; Anti-HMN2B Antibody; Anti-HS.76067 Antibody; Anti-Hsp25 Antibody; Anti-HSP27 Antibody; Anti-HSP28 Antibody; Anti-SRP27 Antibody; anti-HSPB1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                 |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                            |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                                            |
| Clone Number                                    | 017                                                                                                                                                                                                                                                                   |
| Specificity                                     | Human HSP27/HSPB1                                                                                                                                                                                                                                                     |
| Purity/Purification                             | Protein A                                                                                                                                                                                                                                                             |
| Form/Format                                     | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-HSPB1 antibody | IP (Immunoprecipitation), ELISA, ELISA, WB (Western Blot)                                                                                                                                                                                                             |
| Antibody Type                                   | Recombinant Antibody                                                                                                                                                                                                                                                  |
| Immunogen                                       | Recombinant Human HSP27 protein                                                                                                                                                                                                                                       |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                     | This antibody was obtained from a rabbit immunized with purified, recombinant Human HSP27 (rh HSP27).                                                                                                                                                                 |
| Preparation and Storage                         | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |



**WB (Western Blot)**  
Anti-HSP27 rabbit monoclonal antibody at 1:500 dilutionLane A: HepG2 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:23 kDaObserved band size:26 kDa



**IP (Immunoprecipitation)**  
HSP27 was immunoprecipitated using:Lane A:0.5 mg Caco-2 Whole Cell Lysate2 uL anti-HSP27 rabbit monoclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-HSP27 rabbit monoclonal antibody,at 1:500 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 25 kDaObserved band size: 25 kDa

ADDITIONAL INFORMATION

|                                                   |                                             |
|---------------------------------------------------|---------------------------------------------|
| Product Categories/Family for anti-HSPB1 antibody | Cancer Drug Targets; VEGF Signaling Pathway |
|---------------------------------------------------|---------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                            |
|----------------------------------|----------------------------------------------------------------------------|
| NCBI GI #                        | 4504519                                                                    |
| NCBI GeneID                      | 3316                                                                       |
| NCBI Accession #                 | NP_001532.1                                                                |
| NCBI GenBank Nucleotide #        | NM_001541.3                                                                |
| UniProt Accession #              | Q16082; Q6I9U7                                                             |
| Molecular Weight                 | 20,233 Da                                                                  |
| NCBI Official Full Name          | heat shock protein beta-2                                                  |
| NCBI Official Synonym Full Names | heat shock 27kDa protein 2                                                 |
| NCBI Official Symbol             | HSPB2                                                                      |
| NCBI Official Synonym Symbols    | MKBP; HSP27; Hs.78846; LOH11CR1K                                           |
| NCBI Protein Information         | heat shock protein beta-2; DMPK-binding protein; heat-shock protein beta-2 |
| UniProt Protein Name             | Heat shock protein beta-2                                                  |
| UniProt Gene Name                | HSPB2                                                                      |
| UniProt Synonym Gene Names       | HspB2; MKBP                                                                |
| UniProt Entry Name               | HSPB2_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.