

# Anti-HSPB8/HSP22 Rabbit Monoclonal Antibody

Catalog # ABO14092

## Product Information

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC                                                                                                                   |
| <b>Primary Accession</b> | <a href="#">Q9UJY1</a>                                                                                                             |
| <b>Host</b>              | Rabbit                                                                                                                             |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                         |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                  |
| <b>Clonality</b>         | Monoclonal                                                                                                                         |
| <b>Format</b>            | Liquid                                                                                                                             |
| <b>Description</b>       | Anti-HSPB8/HSP22 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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| <b>Gene ID</b>                  | 26353                                                                                                                                                                                                                |
| <b>Other Names</b>              | Heat shock protein beta-8, HspB8, Alpha-crystallin C chain, E2-induced gene 1 protein, Heat shock protein family B member 8, Protein kinase H11, Small stress protein-like protein HSP22, HSPB8, CRYAC, E2IG1, HSP22 |
| <b>Calculated MW</b>            | 21604                                                                                                                                                                                                                |
| <b>Application Details</b>      | WB 1:500-1:2000<br>IHC 1:50-1:100<br>ICC/IF 1:50-1:100                                                                                                                                                               |
| <b>Subcellular Localization</b> | Cytoplasm. Nucleus. Translocates to nuclear foci during heat shock.                                                                                                                                                  |
| <b>Tissue Specificity</b>       | Predominantly expressed in skeletal muscle and heart..                                                                                                                                                               |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                                                            |
| <b>Contents</b>                 | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                                                                  |
| <b>Clone Names</b>              | Clone: IOD-8                                                                                                                                                                                                         |
| <b>Immunogen</b>                | A synthesized peptide derived from human HSPB8/HSP22                                                                                                                                                                 |
| <b>Purification</b>             | Affinity-chromatography                                                                                                                                                                                              |
| <b>Storage</b>                  | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                                                                           |

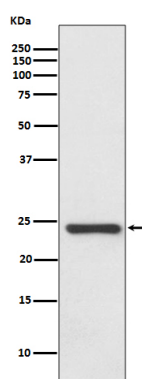
## Protein Information

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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | HSPB8                                                                                                                                                                                                                                  |
| <b>Synonyms</b>          | CRYAC, E2IG1, HSP22                                                                                                                                                                                                                    |
| <b>Function</b>          | Involved in the chaperone-assisted selective autophagy (CASA), a crucial process for protein quality control, particularly in mechanical strained cells and tissues such as muscle. Displays temperature-dependent chaperone activity. |
| <b>Cellular Location</b> | Cytoplasm. Nucleus Note=Translocates to nuclear foci during heat shock                                                                                                                                                                 |
| <b>Tissue Location</b>   | Predominantly expressed in skeletal muscle and heart.                                                                                                                                                                                  |

## Images

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Western blot analysis of HSPB8/HSP22 expression in Human fetal heart lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.