Anti-HSPB8 Antibody

**Description**
The protein encoded by this gene belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. The expression of this gene is induced by estrogen in estrogen receptor-positive breast cancer cells, and this protein also functions as a chaperone in association with Bag3, a stimulator of macroautophagy. Thus, this gene appears to be involved in regulation of cell proliferation, apoptosis, and carcinogenesis, and mutations in this gene have been associated with different neuromuscular diseases, including Charcot-Marie-Tooth disease.

**Model**
STJ24102

**Host**
Rabbit

**Reactivity**
Human, Mouse, Rat

**Applications**
IF, IHC, WB

**Immunogen**
Recombinant fusion protein containing a sequence corresponding to amino acids 1-196 of human HSPB8 (NP_055180.1).

**Gene ID**
26353

**Gene Symbol**
HSPB8

**Dilution range**
WB 1:500 - 1:2000
IHC 1:50 - 1:200
IF 1:50 - 1:100

**Tissue Specificity**
Predominantly expressed in skeletal muscle and heart

**Purification**
Affinity purification

**Note**
For Research Use Only (RUO).
<table>
<thead>
<tr>
<th><strong>Protein Name</strong></th>
<th>Heat shock protein beta-8 HspB8 Alpha-crystallin C chain E2-induced gene 1 protein Protein kinase H11 Small stress protein-like protein HSP22</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Molecular Weight</strong></td>
<td>21.604 kDa</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Conjugation</strong></td>
<td>Unconjugated</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
</tr>
<tr>
<td><strong>Formulation</strong></td>
<td>PBS with 0.02% sodium azide, 50% glycerol, pH7.3.</td>
</tr>
<tr>
<td><strong>Storage Instruction</strong></td>
<td>Store at -20C. Avoid freeze / thaw cycles.</td>
</tr>
<tr>
<td><strong>Database Links</strong></td>
<td>HGNC:30171 OMIM:158590 Reactome:R-HSA-3371571</td>
</tr>
<tr>
<td><strong>Alternative Names</strong></td>
<td>Heat shock protein beta-8 HspB8 Alpha-crystallin C chain E2-induced gene 1 protein Protein kinase H11 Small stress protein-like protein HSP22</td>
</tr>
<tr>
<td><strong>Function</strong></td>
<td>Displays temperature-dependent chaperone activity</td>
</tr>
<tr>
<td><strong>Cellular Localization</strong></td>
<td>Cytoplasm,</td>
</tr>
</tbody>
</table>

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