

## HSPB8

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

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

**Calculated MW:**22kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human HSPB8

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

H11; HMN2; CMT2L; DHMN2; E2IG1; HMN2A; HSP22;

**Catalog #:**A2514

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**26353

**Isotype:**IgG

**Swiss Prot:**Q9UJY1

**Purity:**Affinity purification

For research use only.

**Background:**

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.

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