



# Anti-HSPB8 (full length) polyclonal antibody (DPAB-DC1298)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	HSPB8 (AAH02673.1, 1 a.a. ~ 196 a.a) full-length recombinant protein with GST tag. The sequence is  MADGQMPFSCHYPSRLRRDPFRDSPLSSRLLDDGFGMDPFPDDL TASWPDWALPRLSSAW PGTLRSGMVRPGPTATARFGVPAEGRTPPPFPGEPKVCVNHSFKPEELMVTKDGYVE VSGKHEEKQQEGGIVSKNFTKKIQLPAEVDPVTVFASLSPEGLLIEAPQVPPYSTFGES SFNNELPQDSQEVTCT
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">HSPB8 heat shock 22kDa protein 8 [ Homo sapiens (human) ]</a>
Official Symbol	HSPB8
Synonyms	HSPB8; heat shock 22kDa protein 8; H11; HMN2; CMT2L; DHMN2; E2IG1; HMN2A; HSP22; heat shock protein beta-8; protein kinase H11; alpha-crystallin C chain; E2-induced gene 1 protein; heat shock 27kDa protein 8; small stress protein-like protein HSP22;
Entrez Gene ID	<a href="#">26353</a>
Protein Refseq	<a href="#">NP_055180</a>
UniProt ID	<a href="#">Q9UJY1</a>
Chromosome Location	12q24.23
Function	identical protein binding; protein binding; NOT protein kinase activity;