



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

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

PRODUCT INFORMATION

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

GENE INFORMATION

Gene Name	HSPB8 heat shock 22kDa protein 8 [Homo sapiens (human)]
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	26353
Protein Refseq	NP_055180
UniProt ID	Q9UJY1
Chromosome Location	12q24.23
Function	identical protein binding; protein binding; NOT protein kinase activity;