



Rabbit Anti-Human HSP27 Polyclonal Antibody (CABT-L2107)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Heat Shock 27kDa Protein 1 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against HSPB1. It has been selected for its ability to recognize HSPB1 in immunohistochemical staining and western blotting.
Target	HSPB1
Immunogen	Recombinant fragment corresponding to human HSPB1 (Thr2~Lys205)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Pig
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	The protein encoded by this gene is induced by environmental stress and developmental changes. The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN). [provided by RefSeq, Oct 2008]
Keywords	HSP27;HSP-B1;CMT2F;HSP28;Hsp25;Heat Shock Protein 27;28 kDa heat shock protein;Heat shock protein beta-1;Estrogen-regulated 24 kDa protein;

GENE INFORMATION

Gene Name	HSPB1 heat shock 27kDa protein 1 [Homo sapiens (human)]
Official Symbol	HSPB1
Synonyms	HSPB1; heat shock 27kDa protein 1; CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067; HEL-S-102; heat shock protein beta-1; HSP 27; 28 kDa heat shock protein; heat shock 27 kDa protein; heat shock 27kD protein 1; stress-responsive protein 27; estrogen-regulated 24 kDa protein; epididymis secretory protein Li 102;
Entrez Gene ID	3315
Protein Refseq	NP_001531
UniProt ID	P04792
Chromosome Location	7q11.23
Pathway	AUF1 (hnRNP D0) destabilizes mRNA; Amoebiasis; Epstein-Barr virus infection; FAS pathway and Stress induction of HSP regulation; Gene Expression; IL-3 Signaling Pathway; IL-6 Signaling Pathway; MAPK signaling pathway;
Function	identical protein binding; poly(A) RNA binding; protein binding; protein kinase C binding; protein kinase C inhibitor activity; protein kinase binding; ubiquitin binding;