



Rabbit Anti-Human HSPB2 monoclonal antibody, clone KK19-81 (CABT-L821)

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

PRODUCT INFORMATION

Target	Phospho-Hsp27(S78)
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KK19-81
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP
Molecular Weight	27 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	NIH/3T3, MCF-7, Hela, human breast carcinoma tissue, human heart tissue, human skeletal muscle tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	HSP 27 is a constitutively expressed cytoplasmic protein that co-localizes to the nucleus upon stress-induced insult. Heat shock, cytokines and hormones are among the factors that stimulate the synthesis of HSP 27. The intracellular concentration of the mammalian heat shock protein, HSP 27, increases several-fold after heat shock and other metabolic stresses, and is closely associated with the acquisition of thermotolerance. MAP kinase-activated protein kinase-2 phosphorylates HSP 27 on Serine residues Ser 15, Ser 78 and Ser 82, which are phosphorylated in vivo in response to growth factors and heat shock. Ser 15, Ser 78 and Ser 82 occur in the sequence motif RXXS, which is recognized by ribosomal protein S6 kinase II.
Keywords	Heat shock 27kDa protein;28 kDa heat shock protein;CMT2F;DKFZp586P1322;epididymis secretory protein Li 102;Estrogen regulated 24 kDa protein;Estrogen-regulated 24 kDa protein;Heat shock 25kDa protein 1;Heat shock 27 kDa protein;Heat shock 27kD protein 1;Heat shock 27kDa protein 1;Heat shock 28kDa protein 1;Heat Shock Protein 27;Heat shock protein beta 1;Heat shock protein beta-1;heat shock protein family B (small) member 1;HEL-S-102;HMN2B;HS.76067;Hsp 25;HSP 27;Hsp 28;Hsp B1;Hsp25;HSP27;Hsp28;HspB1;HSPB1_HUMAN;SRP27;Stress responsive protein 27;Stress-responsive protein 27 antibody

GENE INFORMATION

Entrez Gene ID	3316
UniProt ID	A8KAH6