



# Rabbit Anti-HSPB2 monoclonal antibody, clone TO17-84 (CABT-L731)

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

## PRODUCT INFORMATION

<b>Target</b>	Phospho-Hsp27(S82)
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Clone</b>	TO17-84
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IP
<b>Molecular Weight</b>	27 kDa
<b>Cellular Localization</b>	Cytoplasm, Nucleus.
<b>Positive Control</b>	Human skeletal muscle tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide

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<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	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

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