



Rabbit Anti-HSP90 monoclonal antibody, clone TZ57-12 (CABT-L615)

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

PRODUCT INFORMATION

Target	Hsp90 beta
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TZ57-12
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	83 kDa
Cellular Localization	Cytoplasm, Melanosome.
Positive Control	K562, NIH/3T3, Hela, HepG2, human tonsil tissue, human liver cancer tissue, human colon cancer tissue, human breast carcinoma tissue, mouse testis tissue, mouse brain 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	The heat shock response was first described for <i>Drosophila</i> salivary gland cells and morphologically consists of a change in their polytene chromosome puffing patterns that involves de novo synthesis of a few proteins. Similar heat shock proteins were later discovered in bacterial chicken and mammalian cells, and have been subsequently studied in other organisms. A series of proteins including HSP 90, HSP 70, HSP 20-30 and ubiquitin are induced by insults such as temperature shock, chemicals and other environmental stress. A major function of HSP 90 and other HSPs is to act as molecular chaperones. HSP 90 forms a complex with glucocorticoid receptor (GR), rendering the non ligand-bound receptor transcriptionally inactive. HSP 90 binds the GR as a heterocomplex composed of either HSP 56 or Cyclophilin D, forming an aporeceptor complex. HSP 90 also exists as a dimer with other proteins such as p60/sti1 and p23, forming an apo-receptor complex with estrogen and androgen receptors.
Keywords	90 kda heat shock protein beta HSP90 beta;D6S182;FLJ26984;Heat shock 84 kDa;Heat shock 90kD protein 1, beta;Heat shock 90kDa protein 1 beta;Heat shock protein 90 alpha family class B member 1;Heat shock protein 90 kDa;Heat shock protein 90kDa alpha (cytosolic) class B member 1;Heat shock protein 90kDa alpha family class B member 1;Heat shock protein beta;Heat shock protein HSP 90 beta;Heat shock protein HSP 90-beta;HS90B_HUMAN;HSP 84;HSP 90;HSP 90 b;HSP 90b;HSP84;HSP90 BETA;hsp90ab1;HSP90B;HSPC2;HSPCB antibody