



## Product Information Sheet

### Polyclonal Anti- Heat shock protein HSP 90 beta, *HSP90B* (Magnetic Bead Conjugate)

**Catalogue No.** PA1340-M

**Lot No.** 0131012034099

**Ig type** rabbit IgG

**Size** 100µg/vial

**Specificity**

Human, rat, mouse

No cross reactivity with other proteins.

**Recommended application**

*ImmunoPrecipitation (IP)*

**Immunogen**

A synthetic peptide corresponding to a sequence at the middle region of human HSP90B (687-700 aa), identical to the related mouse and rat sequence.

**Purity**

Immunogen affinity purified.

**Contents**

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.

**Storage**

Store at 4°C for frequent use.

**Description**

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation.

### BACKGROUND

Heat shock protein HSP 90-beta is a protein that in humans is encoded by the HSP90AB1 gene.<sup>[1][2][3]</sup> Hsp90β is mapped to chromosome 12q23.3.<sup>4</sup> The function of Hsp90β includes assisting in protein folding, cell signaling, and tumor repression. This protein was first isolated by extracting proteins from stressed cells. These cells were stressed by heating, dehydrating or by other means, all of which caused the cell's proteins to begin to denature.<sup>5</sup>

### REFERENCE

1. Rebbe NF, Hickman WS, Ley TJ, Stafford DW, Hickman S (Oct 1989). "Nucleotide sequence and regulation of a human 90-kDa heat shock protein gene". *J Biol Chem* 264 (25): 15006–11.
2. Chen B, Piel WH, Gui L, Bruford E, Monteiro A (Dec 2005). "The HSP90 family of genes in the human genome: insights into their divergence and evolution". *Genomics* 86 (6): 627–37.
3. "Entrez Gene: HSP90AB1 Heat shock protein 90kDa alpha (cytosolic), class B member
4. Chen, B., Piel, W. H., Gui, L., Bruford, E., Monteiro, A. The HSP90 family of genes in the human genome: insights into their divergence and evolution. *Genomics* 86: 627-637, 2005.
5. Prodromou C, Panaretou B, Chohan S, Siligardi G, O'Brien R, Ladbury JE, Roe SM, Piper PW, Pearl LH (August 2000). "The ATPase cycle of Hsp90 drives a molecular 'clamp' via transient dimerization of the N-terminal domains". *EMBO J.* 19 (16): 4383–92..