

Product datasheet for **AM26035PU-N**

HSP90AB1 Mouse Monoclonal Antibody [Clone ID: MBH90B]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MBH90B
Applications:	IF, IP, WB
Recommended Dilution:	Immunoprecipitation: 1 µg/ml. Western blot: 1 µg/ml. Immunocytochemistry: 1 µg/ml. This clone has been describe to work in Immunohistochemistry on Paraffin Sections.
Reactivity:	Bovine, Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Peptide within N-terminal part of human Hsp90
Specificity:	This antibody recognizes the EEVHHG epitope within the N-terminal part of Hsp90 beta an ubiquitously expressed protein with calculated Mw of 83.3 kDa, however, migrating as a 90 kDa band under reducing SDS-PAGE conditions.
Formulation:	Phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography (> 95% by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	heat shock protein 90kDa alpha family class B member 1
Database Link:	Entrez Gene 15516 Mouse Entrez Gene 3326 Human P08238



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Background:

Hsp90 beta (heat shock protein 90 beta) is a constitutively expressed isoform of Hsp90, one of the most abundant chaperones in the cytosol of eukaryotic cells. Hsp90 interacts with various proteins, including protein kinases and transcription factors, and either facilitates their stabilization and activation or directs them for proteasomal degradation. Hsp90 thus affects multiple signaling pathways and biological processes and modulation of this single target offers the prospect of simultaneous interence to various key points of oncogenic transformation. Hsp90 operates as a dimer in a conformational cycle driven by ATP binding and hydrolysis.

Synonyms:

HSP90B, HSPC2, HSPCB, Heat shock protein HSP 90-beta, Heat shock 84 kDa, HSP84

Protein Families:

Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

Antigen processing and presentation, NOD-like receptor signaling pathway, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer

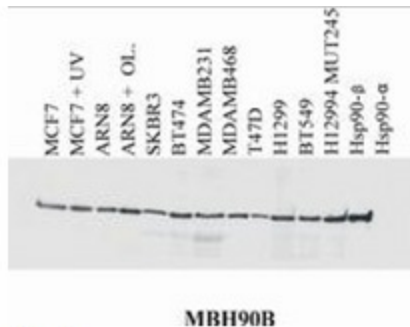
Product images:


Fig. 1.

Western blotting analysis of MBH90B reactivity with various cell lines and recombinant Hsp90 alpha and Hsp90 beta protein.