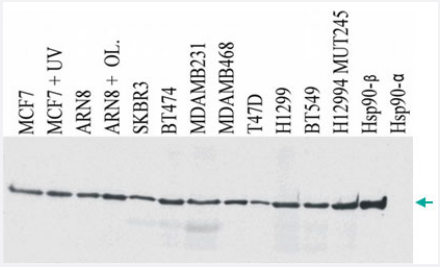
HSP90AB1 monoclonal antibody, clone MBH90B

Catalog # MAB6458 Size 100 ug

Applications



Western Blot

Western blotting analysis of HSP90AB1 monoclonal antibody, clone MBH90B (Cat # MAB6458) reactivity with various cell lines and recombinant HSP90alpha and HSP90beta protein.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of HSP90AB1.
Immunogen	A synthetic peptide corresponding to amino acids at N-terminus of human HSP90AB1.
Sequence	EEVHHGEEEVEC
Host	Mouse
Reactivity	Bovine, Human, Mouse
Specificity	This antibody recognizes the EEVHHG epitope within the N-terminal part of Hsp90b, an ubiquitously expressed protein with calculated MW of 83.3 KDa, however, migrating as a 90 KDa band under red ucing SDS-PAGE conditions.
Form	Liquid
Isotype	IgG1
Recommend Usage	Immunocytochemistry (1 ug/mL) Western Blot (1 ug/mL) Immunoprecipitation (1 ug/mL) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunocytochemistry
- Immunoprecipitation
- Western Blot

  Western blotting analysis of HSP90AB1 monoclonal antibody, clone MBH90B (Cat # MAB6458) reactivity with various cell lines and recombinant HSP90alpha and HSP90beta protein.

Gene Info — HSP90AB1

Entrez GeneID	3326
Gene Name	HSP90AB1
Gene Alias	D6S182, FLJ26984, HSP90-BETA, HSP90B, HSPC2, HSPCB
Gene Description	heat shock protein 90kDa alpha (cytosolic), class B member 1
Omim ID	140572
Gene Ontology	Hyperlink
Gene Summary	HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduc tion, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally as sociate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. There are 2 major cytosolic HSP90 prote ins, HSP90AA1 (MIM 140571), an inducible form, and HSP90AB1, a constitutive form. Other HS P90 proteins are found in endoplasmic reticulum (HSP90B1; MIM 191175) and mitochondria (TR AP1; MIM 606219) (Chen et al., 2005 [PubMed 16269234]).[supplied by OMIM
Other Designations	OTTHUMP00000016517|OTTHUMP00000016518|OTTHUMP00000016519|OTTHUMP000000 39869|heat shock 90kD protein 1, beta|heat shock 90kDa protein 1, beta|heat shock protein beta

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Publication Reference

- The Hsp90 molecular chaperone: an open and shut case for treatment.

  Pearl LH, Prodromou C, Workman P.

  The Biochemical Journal 2008 Mar; 410(3):439.

- Expressed as the sole Hsp90 of yeast, the alpha and beta isoforms of human Hsp90 differ with regard to their capacities for activation of certain client proteins, whereas only Hsp90beta generates sensitivity to the Hsp90 inhibitor radicicol.

  Millson SH, Truman AW, Racz A, Hu B, Panaretou B, Nuttall J, Mollapour M, Soti C, Piper PW.

  The FEBS Journal 2007 Sep; 274(17):4453.

  Application: WB, Yeast, Yeast

- Blind cavefish and heat shock protein chaperones: a novel role for hsp90alpha in lens apoptosis.

  Hooven TA, Yamamoto Y, Jeffery WR.

  The International Journal of Developmental Biology 2004 Oct; 48(8-9):731.

  Application: ISH, Fish, Embryos

Pathway

- Antigen processing and presentation
- Pathways in cancer
- Prostate cancer

Disease

- Asthma
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease

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- Hematologic Diseases
- Kidney Failure
- Occupational Diseases

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