9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

30-1371: Anti-Hsp90 alpha,beta Monoclonal Antibody (Clone:MBH90AB)

Clonality :	Monoclonal
Clone Name :	MBH90AB
Application :	WB
Reactivity :	Human
Gene :	HSP90AA1
Gene ID :	3320
Uniprot ID :	P07900
Format :	Purified
Alternative Name :	Heat shock protein HSP 90-alpha, Heat shock 86 kDa,
Isotype :	Mouse IgG1
Immunogen Information :	Peptide corresponding to the sequence EEVHHGEEEVEC within N-terminal part of human Hsp90.

Description

Hsp90 (heat shock protein 90) is one of the most abundant chaperones in the cytosol of eukaryotic cells. It 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 intervence to various key points of oncogenic transformation. Hsp90 operates as a dimer in a conformational cycle driven by ATP binding and hydrolysis. There are two isoforms, alpha and beta, of vertebrate Hsp90. Whereas Hsp90 beta is expressed constitutively to a high level, Hsp90 alpha is stress-inducible and is overexpressed in many cancerous cells.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Western Blotting *Recommended dilution:* 1 µg/ml

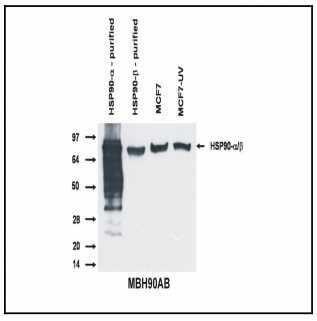


Figure 1: Western blotting analysis of Hsp90 alpha and beta protein by antibody MBH90AB to both Hsp90 alpha and beta isoform.

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