



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Technically
Speaking

CEDARLANE[®] 
www.cedarlanelabs.com

Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

Purified Mouse Anti-Hsp90 Alpha, Beta Monoclonal Antibody

CLX404AP

Lot:

Size: 0.1 mg

Clone: MBH90AB

Isotype: Mouse IgG1

Specificity: The antibody MBH90AB recognizes the epitope EEEVE within N-terminal part of ubiquitously expressed Hsp90 alpha and Hsp90 beta proteins with calculated Mw of 84.7 kDa and 83.3 kDa, respectively, however, migrating as 90 kDa bands under reducing SDS-PAGE conditions.

Immunogen: Peptide corresponding to the sequence EEVHHGEEEEVEC within N-terminal part of human Hsp90.

Species Reactivity: Human, Mouse, Bovine, Other not determined

Application: **Western Blotting**
Recommended dilution: 1 µg/ml

Purity: > 95% (by SDS-PAGE)

Purification: Purified from ascites by protein-A affinity chromatography.

Concentration: 1 mg/ml

Storage Buffer: The reagent is provided in 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.

Storage / Stability: Store at 2-8oC. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20oC. Avoid freeze/thaw cycles.

Continued...

Visit our website for your local distributor.

CEDARLANE[®] 

www.cedarlanelabs.com

An ISO 9001:2000 and ISO 13485:2003
registered company.

In CANADA: Toll Free: 1-800-268-5058

4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020
e-mail: general@cedarlanelabs.com

In the USA: Toll Free: 1-800-721-1644

1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
e-mail: service@cedarlanelabs.com

Background:

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 interence 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.

References:

- *Pratt W.B.: The hsp90-based chaperone system: involvement in signal transduction from a variety of hormone and growth factor receptors. *Proc Soc Exp Biol Med.* 1998 Apr;217(4):420-34.
- *Scheibel T, Buchner J.: The Hsp90 complex--a super-chaperone machine as a novel drug target. *Biochem Pharmacol.* 1998 Sep 15;56(6):675-82.
- *Hooven TA, Yamamoto Y, Jeffery W.R.: Blind cavefish and heat shock protein chaperones: a novel role for hsp90alpha in lens apoptosis. *Int J Dev Biol.* 2004;48(8-9):731-8.
- *Millson SH, Truman AW, Rácz A, Hu B, Panaretou B, Nuttall J, Mollapour M, Söti C, Piper P.W.: 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. *FEBS J.* 2007 Sep;274(17):4453-63.
- *Pearl LH, Prodromou C, Workman P.: The Hsp90 molecular chaperone: an open and shut case for treatment. *Biochem J.* 2008 Mar 15;410(3):439-53.

Laboratory Reagent For Research Use Only