

## Anti-Hsp90 alpha Antibody Picoband™ (monoclonal, 6B5)

Clone no. 6B5

MONOSAN

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Product name	Anti-Hsp90 alpha Antibody Picoband™ (monoclonal, 6B5)
Host	Mouse
Applications	WB,IHC,ICC,IF,FC
Species reactivity	Human,Mouse,Rat,Monkey
Conjugate	-
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Hsp90 alpha, identical to the related mouse and rat sequences.
Isotype	IgG2b
Clonality	Monoclonal
Clone number	6B5
Size	100µg
Concentration	Adding 0.2 ml of distilled water =f 500 µg/ml.
Format	Lyophilized
Storage buffer	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .
Storage until expiry date	-20°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

Store at -20 °C for one year from date of receipt. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for six months. Avoid repeated freeze-thaw cycles. Add 0.2ml of distilled water will yield a concentration of 500ug/ml. Background: Heat shock protein HSP 90-alpha is a protein that in humans is encoded by the HSP90AA1 gene. The gene, HSP90AA1, encodes the human stress-inducible 90-kDa heat shock protein alpha (Hsp90A). Complemented by the constitutively expressed paralog Hsp90B which shares over 85% amino acid sequence identity, Hsp90A expression is initiated when a cell experiences proteotoxic stress. Once expressed Hsp90A dimers operate as molecular chaperones that bind and fold other proteins into their functional 3-dimensional structures. This molecular chaperoning ability of Hsp90A is driven by a cycle of structural rearrangements fueled by ATP hydrolysis. Current research on Hsp90A focuses in its role as a drug target due to its interaction with a large number of tumor promoting proteins and its role in cellular stress adaptation. Subcellular Localization: Tissue Specificity:

**References**

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4. -
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