HSP90β polyclonal antibody

The 90 kDa molecular chaperone family includes 90 kDa heat shock protein Hsp90 and 94 kDa glucose-regulated protein grp94, both major molecular chaperones of the cytosol and the endoplasmic reticulum. Mammalian cells express inducible Hsp90 alpha and constitutive Hsp90 beta isoforms that are encoded by separate genes. The amino acid sequences of human and yeast Hsp90 alpha are 85% and 90% homologous to those of Hsp90 beta, respectively. All known members of the Hsp90 protein family are highly conserved, especially in the N-terminal and C-terminal regions containing independent chaperone sites with different substrate specificity. These ubiquitous and highly conserved proteins account for 1-2% of all cellular protein in most cells. Hsp90 functions as part of the cell's powerful network of chaperones to fight the deleterious consequences of protein unfolding caused by non-physiological conditions. In the absence of stress, however, Hsp90 provides a necessary component of such fundamental cellular processes as hormone signaling and cell cycle control by serving as a chaperone for many key signaling molecules including steroid receptors, cell cycle kinases involved in signal transduction, and p53. As many of these client proteins are known oncogenes, Hsp90 inhibitors such as 17-AAG, a geldanamycin analog, have been of benefit in the treatment of many cancers.

This antibody is covered by our Worry-Free Guarantee.

Citations: 7 View Online »

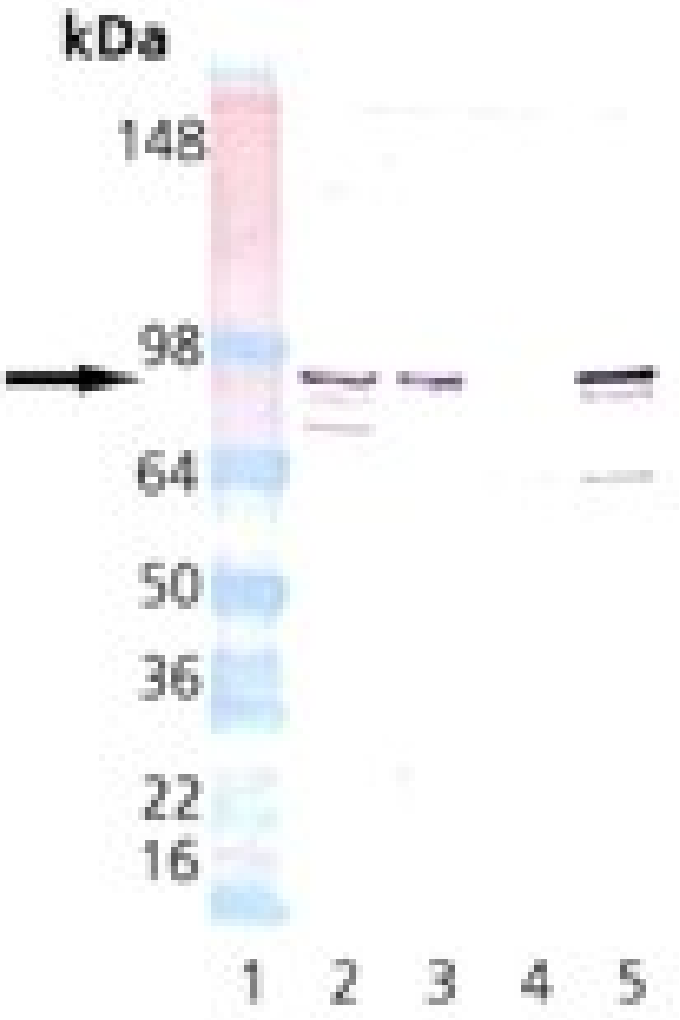
Ordering Information

Order Online »

ADI-SPA-844-050	50µg

Manuals, SDS & CofA

View Online »



Western blot analysis of HSP90 beta pAb: Lane 1: MW marker, Lane 2: HeLa Cell Lysate, Heat Shocked (Prod. No. ADI-LYC-HL101), Lane 3: HSP90 Native Human Protein (Prod. No. ADI-SPP-770), Lane 4: HSP90 alpha Recombinant Human Protein (Prod. No. ADI-SPP-776), Lane 5: HSP90 beta Recombinant Human Protein (Prod. No. ADI-SPP-777).

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	HSP86, Heat shock protein 90
Application	WB
Application Notes	Detects a band of ~90kDa by Western blot.
Formulation	Liquid. In PBS containing 50% glycerol and 0.09% sodium azide.
Host	Rabbit
Immunogen	Recombinant human HSP90β.
Purity Detail	Protein A affinity purified.
Recommendation Dilutions/Conditions	Western Blot (1:1,000, colorimetric)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Source	Purified from rabbit serum.
Species Reactivity	Bovine, Dog, Guinea pig, Hamster, Human, Mouse, Porcine, Rabbit, Sheep
UniProt ID	P08238
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

Last modified: May 29, 2024

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