HSP90α monoclonal antibody (9D2) (HRP conjugate)

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 contain isoforms Hsp90 alpha and Hsp90 beta, 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 proteins in most cells. Hsp90 functions as part of the cell

This antibody is covered by our Worry-Free Guarantee.

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Western blot analysis of HSP90alpha mAb-HRP: Lane 1: HSP90 Native Protein, Lane 2: HSP90alpha Recombinant Protein, Lane 3: HeLa Cell Lysate (Heat Shocked).

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 90α
Application	WB
Application Notes	Detects a band of ~90kDa by Western blot.
Clone	9D2
Formulation	Liquid. In PBS, pH 7.2, containing 0.09% sodium azide diluted in proprietary stabilizer solution.
Host	Rat
Immunogen	Purified Hsp90 isolated from human therapeutic orchiectomy specimens.
Isotype	IgG2a
Purity Detail	Protein G affinity purified.
Recommendation Dilutions/Conditions	Western Blot (1:2,000-1:50,000)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Source	Purified from rat ascites.
Species Reactivity	Chicken, Human
UniProt ID	P07900

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