

HSP90AA1 (Heat Shock Protein 90) Antibody

Mouse Monoclonal Antibody [Clone HSP90AA1/7426]

Catalog No	Format	Size
3320-MSM6-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3320-MSM6-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3320-MSM6-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

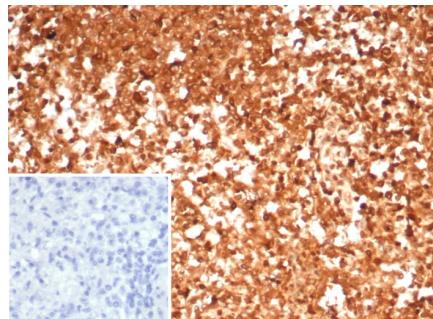
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

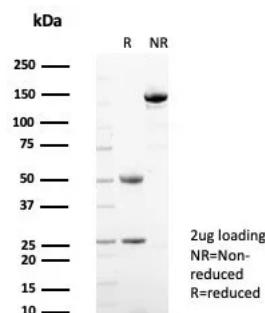
Clone	HSP90AA1/7426
Gene Name	HSP90AA1
Immunogen	Recombinant fragment (around aa500-700) of human HSP90AA1 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	90kDa
Cellular Localization	Cytoplasm, Melanosome
Species Reactivity	Human
Positive Control	Human spleen, stomach or pancreas tissue. MCF-7 cells.

*Optimal dilution for a specific application should be determined.

Product Images for HSP90AA1 (Heat Shock Protein 90) Antibody



Formalin-fixed, paraffin-embedded human spleen stained with HSP90AA1 Mouse Monoclonal Antibody (HSP90AA1/7426). Inset: PBS instead of primary antibody; secondary only negative control.



Specificity & Comments

The heat shock response was first described for *Drosophila* salivary gland cells and morphologically consists of a change in their polytene chromosome puffing patterns that involves de novo synthesis of a few proteins. Similar heat shock proteins were later discovered in bacterial, chicken and mammalian cells, and have been subsequently studied in other organisms. A series of proteins including HSP 90, HSP 70, HSP 20-30 and ubiquitin are induced by insults such as temperature shock, chemicals and other environmental stress. A major function of HSP 90 and other HSPs is to act as molecular chaperones. HSP 90 forms a complex with glucocorticoid receptor (GR), rendering the non ligand-bound receptor transcriptionally inactive. HSP 90 binds the GR as a heterocomplex composed of either HSP 56 or Cyclophilin D, forming an aporeceptor complex. HSP 90 also exists as a dimer with other proteins such as p60/ST1 and p23, forming an apo-receptor complex with estrogen and androgen receptors.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody is stable for 24 months., Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Developmental Biology, Immunology, AKT Signaling, Cytokine Signaling, Infectious Disease, Signal Transduction, Transcription Factors