



Catalog: OM153714

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# HSP 90 $\alpha$ / $\beta$ Antibody (H-114)

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☐ 100ul

## Product profile

Product name	HSP 90 $\alpha$ / $\beta$ Antibody (H-114)
Antibody Type	Primary Antibodies
Modification Notes	<p>The heat shock response was first described for <i>Drosophila</i> 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/sti1 and p23, forming an aporeceptor complex with estrogen and androgen receptors.</p>

## Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,IP ,IF ,FC ,ELISA
Species Reactivity	Human Mouse Rat
Concentration	1mg/ml
Purification	Affinity purified

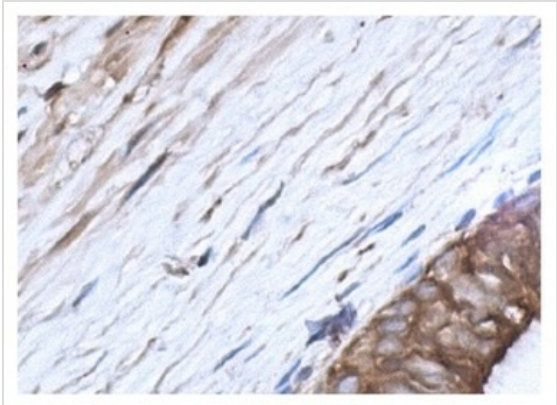
## Target Information

Alternative Names	epitope corresponding to amino acids 610-723 mapping at the C-terminus of HSP 90 $\beta$ of human origin
Tissue Specificity	epitope corresponding to amino acids 610-723 mapping at the C-terminus of HSP 90 $\beta$ of human origin

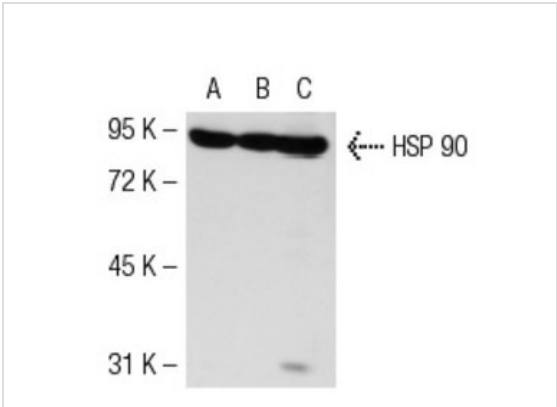
Database Links

Entrez Gene 3320

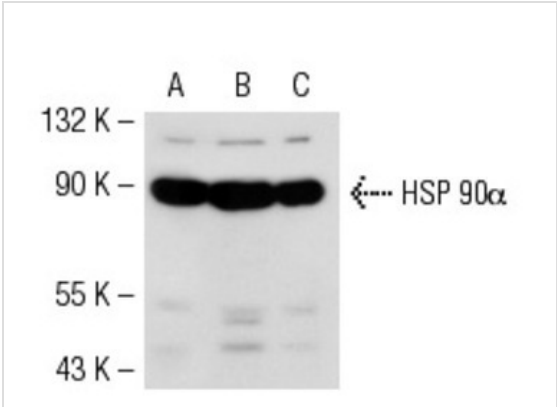
Application



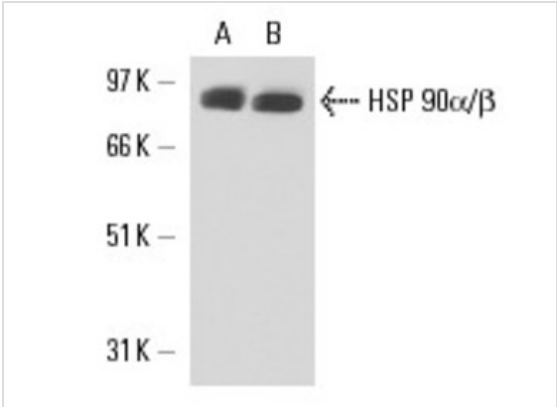
**Application**  
Immunoperoxidase staining of formalin fixed, paraffin-embedded human testes tissue showing cytoplasmic staining of cells in seminiferus ducts.



**Application**  
Western blot analysis of HSP 90 expression in non-transfected 293T: (A), human HSP 90 transfected 293T: (B) and HeLa (C) whole cell lysates.

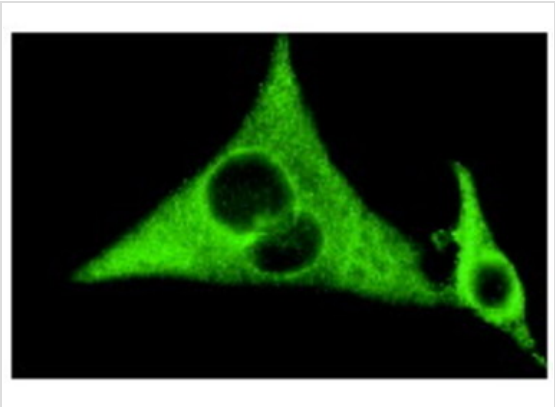
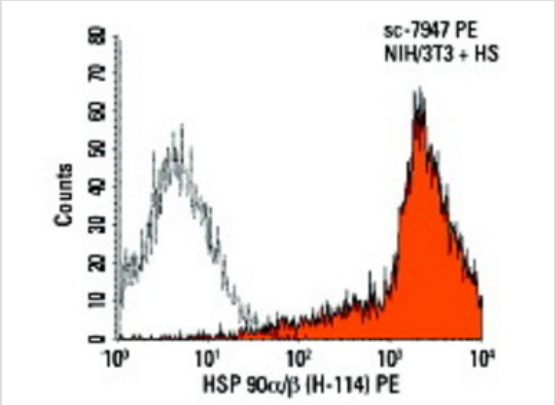
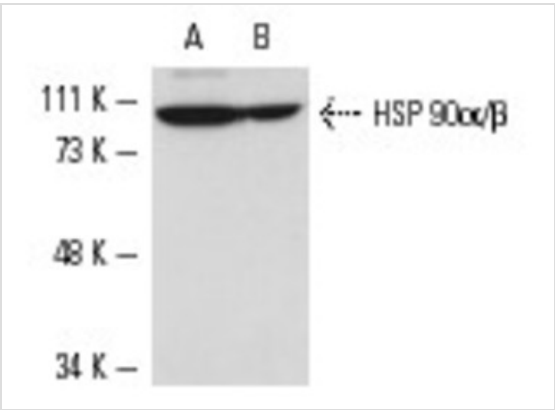


**Application**  
Western blot analysis of HSP 90α expression in non-transfected 293T: (A), mouse HSP 90α transfected 293T: (B) and HeLa (C) whole cell lysates.



**Application**  
Western blot analysis of human recombinant HSP 90α (A) and human recombinant HSP 90β (B) fusion proteins.

**Application**  
Western blot analysis of HSP 90 expression in HeLa (A) and NIH/3T3 (B) whole cell lysates.



**Application**  
Intracellular FCM analysis of fixed and permeabilized, heat shock-treated NIH/3T3 cells. Black line histogram represents the isotype control, normal rabbit IgG: .

**Application**  
Immunofluorescence staining of methanol-fixed NIH/3T3 cells showing cytoplasmic localization.

<b>Application Notes</b>	recommended for detection of HSP 90α and HSP 90β of mouse, rat and human origin by WB, IP, IF, FCM and ELISA; also reactive with additional species, including equine, canine, bovine, porcine and avian:
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### Additional Information

<b>Form</b>	Liquid
<b>Storage Instructions</b>	For short-term storage, store at 4° C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Storage Buffer</b>	phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Note</b>	The product is for research use only,not for use in diagnostic or therapeutic procedures.

OmnimAbs.com

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt

