



Catalog: OM153723

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HSP 90 α / β Antibody (H-114) PE

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☐ 100ul

Product profile

Product name	HSP 90 α / β Antibody (H-114) PE
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

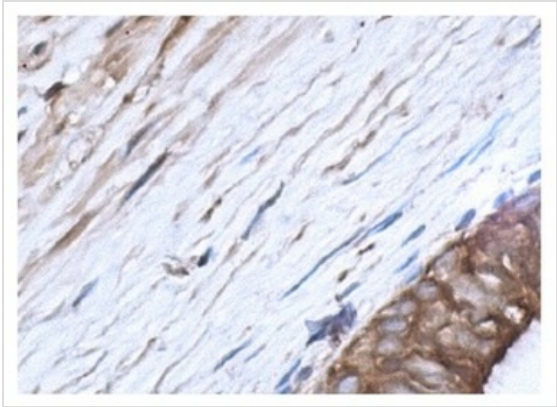
Target Information

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

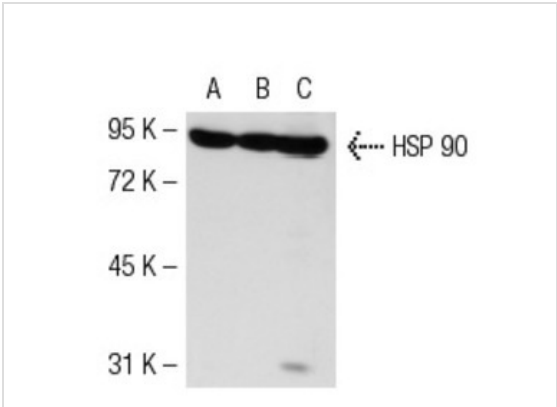
Database Links

Entrez Gene 3320

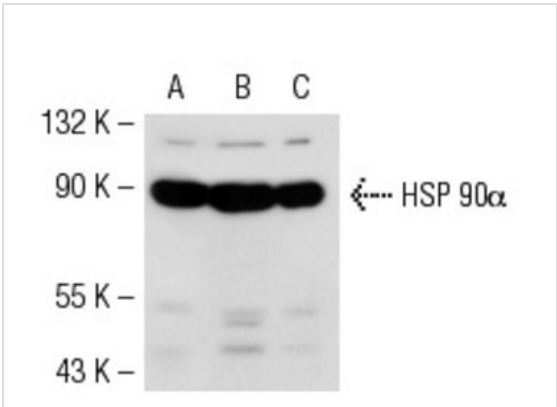
Application



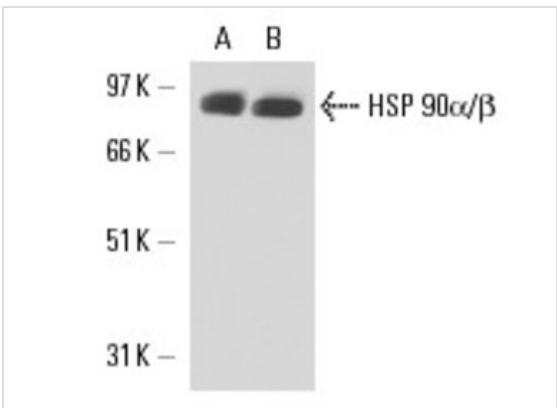
Application
Immunoperoxidase staining of formalin fixed, paraffin-embedded human testes tissue showing cytoplasmic staining of cells in seminiferous ducts.



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.

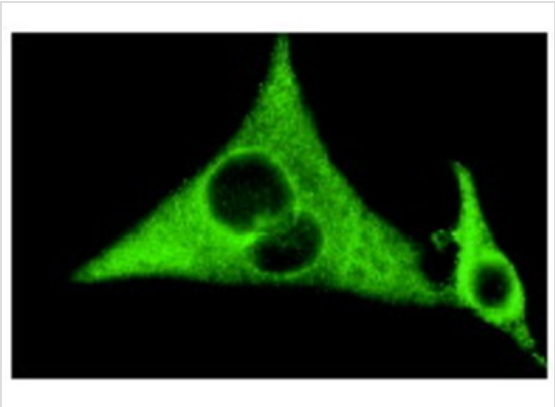
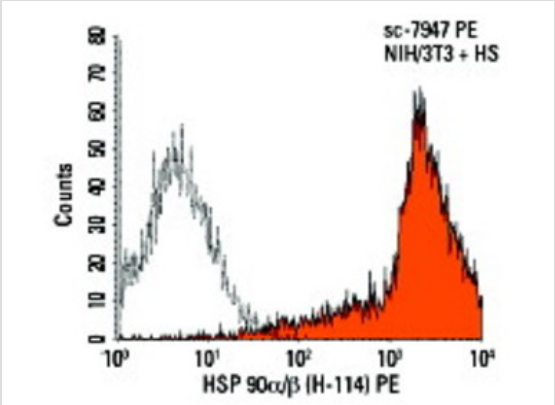
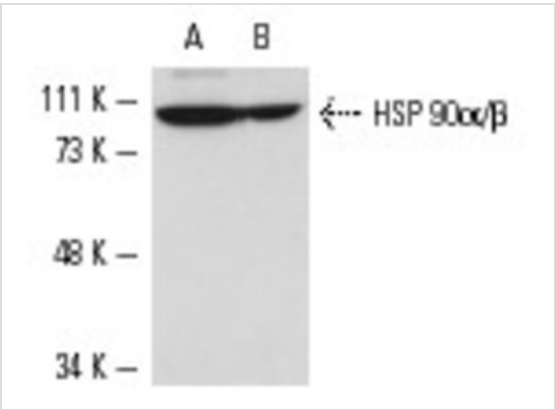


Application
Western blot analysis of HSP 90α expression in non-transfected 293T: (A), mouse HSP 90α transfected 293T: (B) and HeLa (C) whole cell lysates.



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.

Application Notes	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

Form	Liquid
Storage Instructions	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.
Storage Buffer	phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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506 N. GARFIELD AVE #210 ALHAMBRA, CA 91801

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

