



## Rabbit Anti-HSP90 alpha antibody

SL10100R

<b>Product Name:</b>	HSP90 alpha
<b>Chinese Name:</b>	热休克蛋白90α抗体
<b>Alias:</b>	HSP-90 alpha; HSP 86; HSP 86; Renal carcinoma antigen NY REN 38; Heat shock 86 kDa; Heat shock 90kDa protein 1 alpha; Heat shock protein 90kDa alpha (cytosolic) class A member 1; heat shock protein 90kDa alpha (cytosolic), class A member 2; Heat shock protein HSP 90-alpha; HS90A_HUMAN; HSP 86; HSP86; Hsp89; HSP89A; HSP90A; HSP90AA1; HSP90ALPHA; HSP90N; HSPC1; HSPCA; HSPCAL1; HSPCAL3; HSPCAL4; HSPN; LAP2; Renal carcinoma antigen NY-REN-38.
文献引用 PubMed :	<p><b>Specific References(1)</b>SL10100R has been referenced in 1 publications.</p> <p><b>[IF=3.24]</b>Ding, Zhujin, et al. "Expression of heat shock protein 90 genes during early development and infection in <i>Megalobrama amblycephala</i> and evidence for adaptive evolution in teleost." <i>Developmental &amp; Comparative Immunology</i> (2013).<b>WB</b>;</p> <p><a href="#">PubMed:23954722</a></p>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	81kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HSP90 alpha:401-500/732
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A

<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>Hsp90 (heat shock protein 90) is a molecular chaperone and is one of the most abundant proteins in unstressed cells. It is an ubiquitous molecular chaperone found in eubacteria and all branches of eukarya, but it is apparently absent in archaea. Whereas cytoplasmic Hsp90 is essential for viability under all conditions in eukaryotes, the bacterial homologue HtpG is dispensable under non-heat stress conditions.</p> <p><b>Function:</b> Molecular chaperone that promotes the maturation, structural maintenance and proper regulation of specific target proteins involved for instance in cell cycle control and signal transduction. Undergoes a functional cycle that is linked to its ATPase activity. This cycle probably induces conformational changes in the client proteins, thereby causing their activation. Interacts dynamically with various co-chaperones that modulate its substrate recognition, ATPase cycle and chaperone function.</p> <p><b>Subunit:</b> Homodimer. Interacts with AHSA1, FNIP1, HSF1, SMYD3 and TOM34. Interacts with TERT; the interaction, together with PTGES3, is required for correct assembly and stabilization of the TERT holoenzyme complex. Interacts with CHORDC1 and DNAJC7. Interacts with STUB1 and UBE2N; may couple the chaperone and ubiquitination systems.</p> <p><b>Subcellular Location:</b> Cytoplasm. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.</p> <p><b>Post-translational modifications:</b> ISGylated. S-nitrosylated; negatively regulates the ATPase activity and the activation of eNOS by HSP90AA1.</p> <p><b>Similarity:</b> Belongs to the heat shock protein 90 family.</p> <p><b>SWISS:</b> P07900</p> <p><b>Gene ID:</b> 3320</p> <p><b>Database links:</b></p>

[Entrez Gene: 3320](#)Human

[Entrez Gene: 15519](#)Mouse

[Entrez Gene: 299331](#)Rat

[Omim: 140571](#)Human

[SwissProt: P07900](#)Human

[SwissProt: P07901](#)Mouse

[SwissProt: P82995](#)Rat

[Unigene: 525600](#)Human

[Unigene: 700831](#)Human

[Unigene: 1843](#)Mouse

[Unigene: 341186](#)Mouse

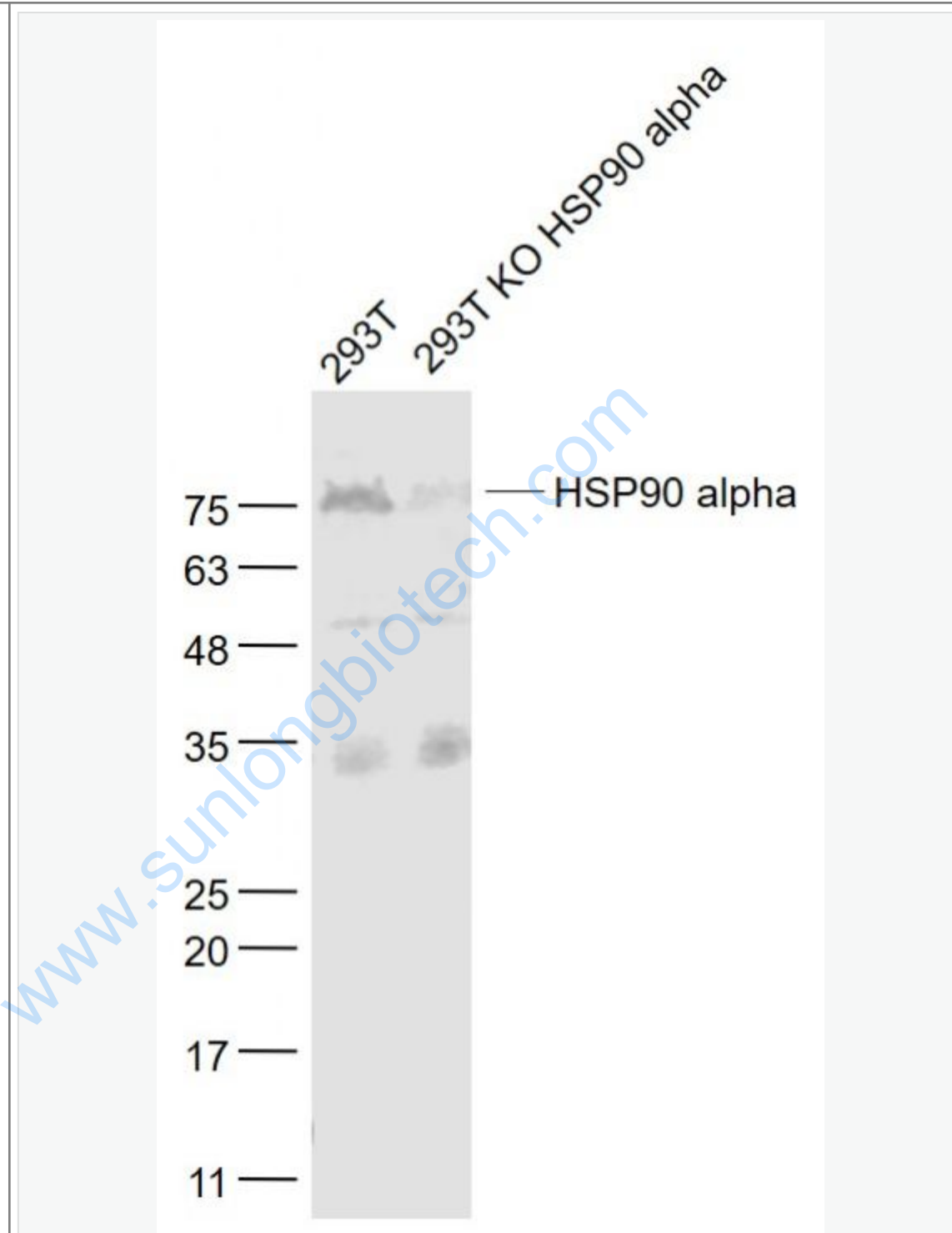
[Unigene: 119867](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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Picture:



Sample:

293T(Human) Cell Lysate at 30 ug

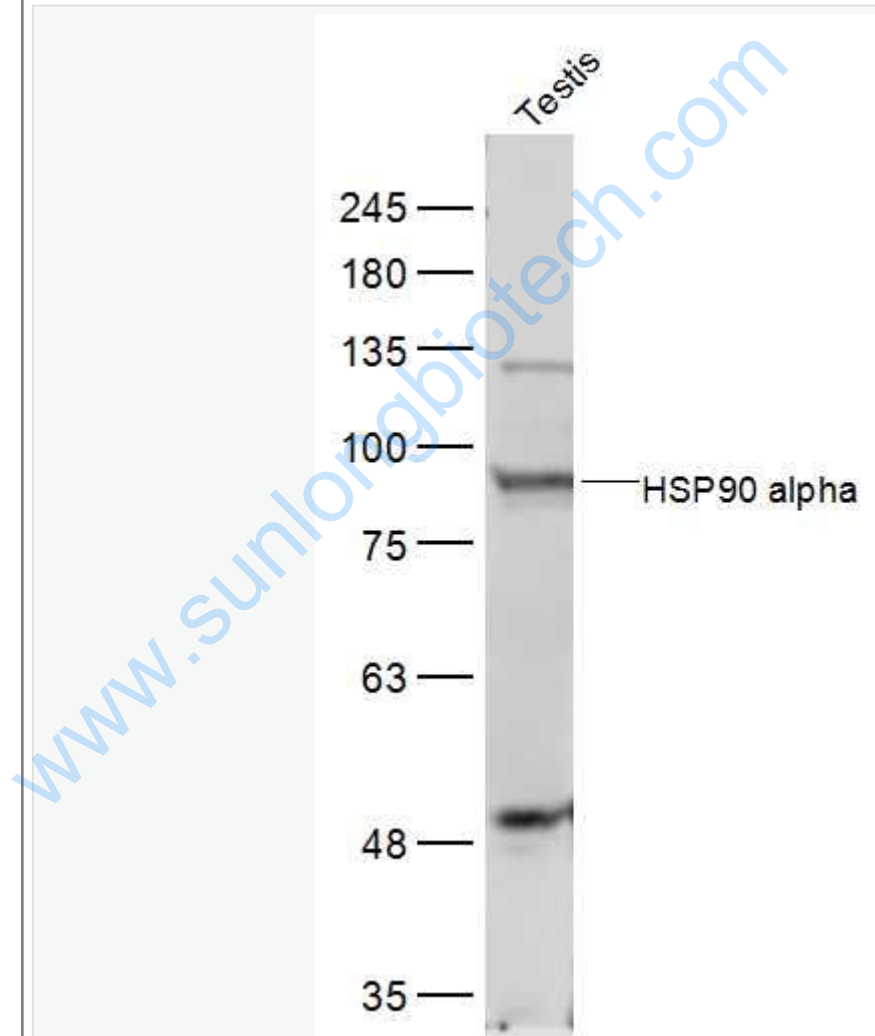
293T KO HSP90 alpha (Human) Cell Lysate at 30 ug

Primary: Anti- HSP90 alpha (SL10100R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 81 kD

Observed band size: 77 kD



Sample:

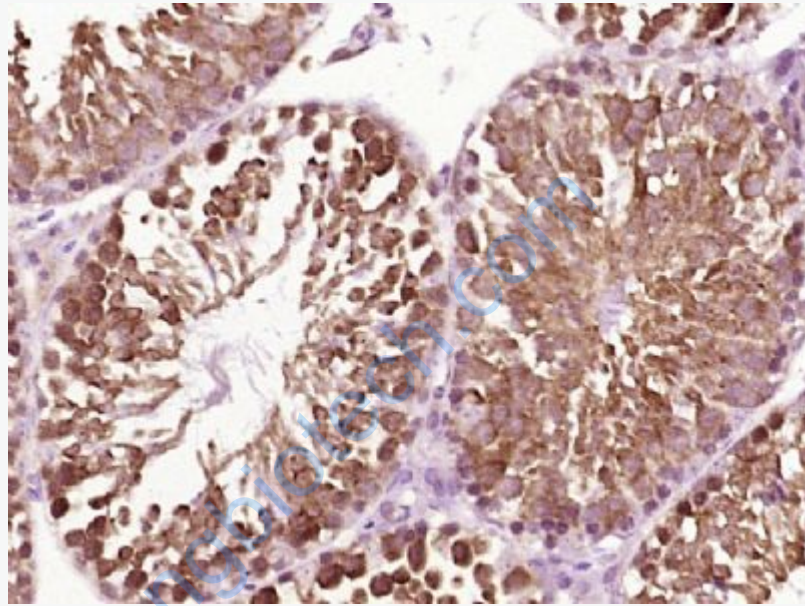
Testis (Mouse) Lysate at 40 ug

Primary: Anti-HSP90 alpha (SL10100R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 81 kD

Observed band size: 98 kD



Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HSP90 alpha) Polyclonal Antibody, Unconjugated (SL10100R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.