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## HSP90 alpha Rabbit pAb

Catalog Number: bs-10100R

Target Protein: HSP90 alpha

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: **WB** (1:500-2000), **IHC-P** (1:100-500), **IHC-F** (1:100-500), **IF** (1:100-500), **ICC/IF** (1:100)

Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse)

Predicted MW: 81 kDa

Subcellular: Cell membrane, Cytoplasm

Locations:

Entrez Gene: 3320

Swiss Prot: P07900

Source: KLH conjugated synthetic peptide derived from human HSP90 alpha: 401-500/732.

Purification: affinity purified by Protein A

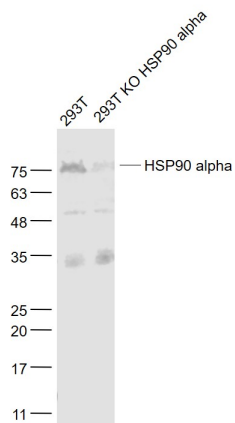
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

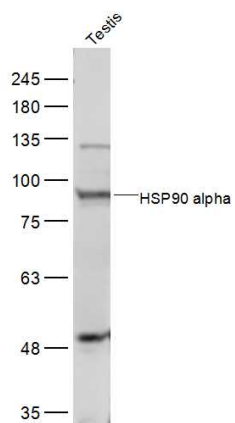
**Background:** Hsp90 (heat shock protein 90) is a molecular chaperone and is one of the most abundant proteins in unstressed cells. It is an ubiquitous molecular chaperone found in eubacteria and all branches of eukarya, but it is apparently absent in archaea. Whereas cytoplasmic Hsp90 is essential for viability under all conditions in eukaryotes, the bacterial homologue HtpG is dispensable under non-heat stress conditions.

### VALIDATION IMAGES

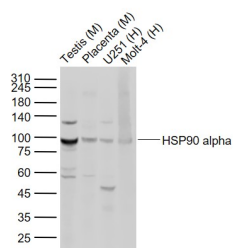
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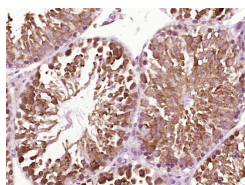
Sample: 293T(Human) Cell Lysate at 30 ug 293T KO HSP90 alpha (Human) Cell Lysate at 30 ug Primary: Anti-HSP90 alpha (bs-10100R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 81 kD Observed band size: 77 kD



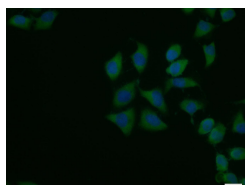
Sample: Testis (Mouse) Lysate at 40 ug Primary: Anti-HSP90 alpha (bs-10100R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 81 kD Observed band size: 98 kD



Sample: Lane 1: Mouse Testis tissue lysates Lane 2: Mouse Placenta tissue lysates Lane 3: Human U251 cell lysates Lane 4: Human Molt-4 cell lysates Primary: Anti-HSP90 alpha (bs-10100R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 81 kD Observed band size: 90 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 (bs-10100R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (HSP90 alpha) polyclonal Antibody, Unconjugated (bs-10100R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

## PRODUCT SPECIFIC PUBLICATIONS

**[IF=3.24]** Ding, Zhujin, et al. "Expression of heat shock protein 90 genes during early development and infection in *Megalobrama amblycephala* and evidence for adaptive evolution in teleost." *Developmental & Comparative Immunology* (2013). WB ; ="" . 23954722