

Anti-HSP90AA1 Polyclonal Antibody

Product Details

| | |
|-------------------|---|
| Ig Type: | IgG |
| Reactivity: | Human, Mouse (predicted: Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep) |
| Molecular Weight: | Theoretical: 81 kDa. Actual: 90 kDa. |
| Purification: | Protein A purified |

Applications

1. Sample:

293t (Human) Cell Lysate at 30 µg

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

Primary: Anti-HSP90 alpha (TMAB-00897) at 1/1000 dilution

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

Predicted band size: 81 kDa

Observed band size: 77 kDa

2. Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (HSP90 alpha) polyclonal Antibody, Unconjugated (TMAB-00897) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.

3. Sample: Testis (Mouse) Lysate at 40 µg

Primary: Anti-HSP90 alpha (TMAB-00897) at 1/500 dilution

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

Predicted band size: 81 kDa

Observed band size: 98 kDa

Verified Activity:

4. 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

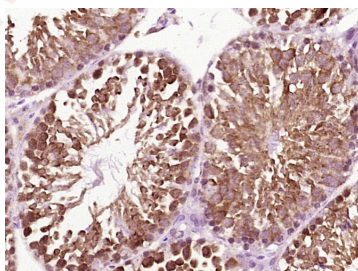
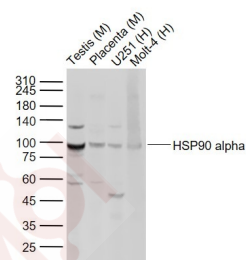
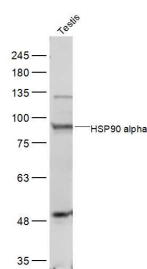
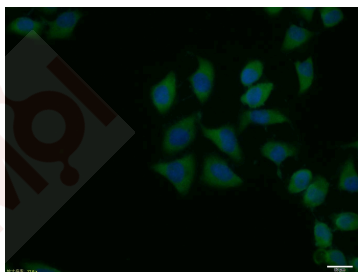
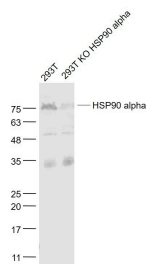
Primary: Anti-HSP90 alpha (TMAB-00897) at 1/1000 dilution

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

Predicted band size: 81 kDa

Observed band size: 90 kDa

5. Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (HSP90 alpha) Polyclonal Antibody, Unconjugated (TMAB-00897) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Application: ICC/IF,IF,IHC-Fr,IHC-P,WB

Recommended ICC/IF=1:100-500; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

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|------------------|---|
| Immunogen: | KLH conjugated synthetic peptide: human HSP90 alpha |
| Antigen Species: | Human |
| Gene ID: | 3320 |
| Uniprot ID: | P07900 |
| Synonyms: | Renal carcinoma antigen NY-REN-38;Heat shock protein HSP 90-alpha;Lipopolysaccharide-associated protein 2 (LAP-2;LPS-associated protein 2);Heat shock protein family C member 1; HSP90AA1;HSPCA;HSP90A;HSPC1;Heat shock 86 kDa (HSP 86;HSP86) |
| Biology Area: | MMPs,Tumor biomarkers,Heat Shock Proteins,Organelle Proteins |

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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