

**bs-0135R****[ Primary Antibody ]****HSP90 beta Rabbit pAb****Bioss**  
**ANTIBODIES**

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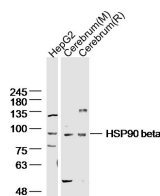
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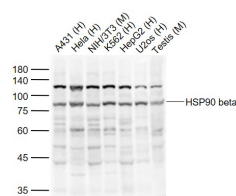
400-901-9800

**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 3326**SWISS:** P08238**Target:** HSP90 beta**Immunogen:** KLH conjugated synthetic peptide derived from human HSP90 beta: 635-724/724.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

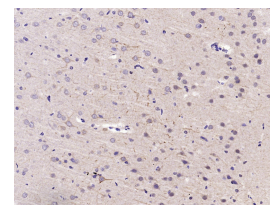
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** This gene encodes a member of the heat shock protein 90 family; these proteins are involved in signal transduction, protein folding and degradation and morphological evolution. This gene encodes the constitutive form of the cytosolic 90 kDa heat-shock protein and is thought to play a role in gastric apoptosis and inflammation. Alternative splicing results in multiple transcript variants. Pseudogenes have been identified on multiple chromosomes. [provided by RefSeq, Dec 2012].**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, Rat  
(predicted: Pig, Cow, Chicken, Dog)**Predicted MW.:** 84 kDa**Subcellular Location:** Cytoplasm**VALIDATION IMAGES**

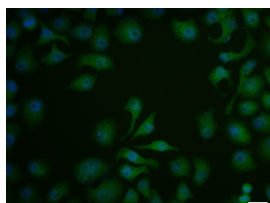
Sample: HepG2 Cell Lysate at 40 ug Cerebrum (Mouse) Lysate at 40 ug Cerebrum (Rat) Lysate at 40 ug Primary: Anti- HSP90 beta (bs-0135R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 84kD Observed band size: 90kD



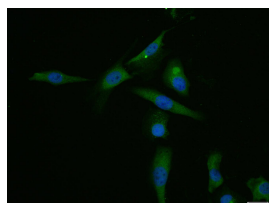
Sample: Lane 1: A431 (Human) Cell Lysate at 30 ug Lane 2: HeLa (Human) Cell Lysate at 30 ug Lane 3: NIH/3T3 (Mouse) Cell Lysate at 30 ug Lane 4: K562 (Human) Cell Lysate at 30 ug Lane 5: HepG2 (Human) Cell Lysate at 30 ug Lane 6: U2os (Human) Cell Lysate at 30 ug Lane 7: Testis (Mouse) Lysate at 40 ug Primary: Anti-HSP90 beta (bs-0135R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 84-90 kD Observed band size: 84 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (HSP90 beta) Polyclonal Antibody, Unconjugated (bs-0135R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



HepG2 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 beta) polyclonal Antibody, Unconjugated (bs-0135R) 1:100, 90 minutes at 37°C; followed by a



U2OS 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 beta) polyclonal Antibody, Unconjugated (bs-0135R) 1:100, 90 minutes at 37°C; followed by a

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

conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

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## — SELECTED CITATIONS —

- **[IF=4.258]** Mori et al. MUC1 protein induces urokinase-type plasminogen activator (uPA) by forming a complex with NF- $\kappa$ B p65 transcription factor and binding to the uPA promoter, leading to enhanced invasiveness of cancer cells. (2014) J.Biol.Che. 289:35193-204 WB ;Human. 25371209
- **[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
- **[IF=2.8]** Ali Tugrul Akin. et al. Unveiling the Protective Potential of Crocin in Septic Acute Liver Injury via Assessment of TLR4/HGM1/NF -  $\kappa$ B Signaling Pathway, Oxidative Stress and Heat Shock Response. cell biochemistry and function. 2025 Feb; 43(2):e70058. IHC ;Rat. 39962902
- **[IF=2.133]** Cetintas, Vildan Bozok, et al. "Effects of flavopiridol on critical regulation pathways of CD133<sup>high</sup>/CD44<sup>high</sup> lung cancer stem cells." Medicine 95.43 (2016): e5150. ICC ;="Mouse". 27787370
- **[IF=0.46]** Aktug, H., et al. "Investigation of the Cell Stabilization and the Epithelial to Mesenchymal Transition Effect of Flavopiridol in Mouse Lung Squamous Cell Carcinoma." Chemotherapy: Open Access 2015 (2015). ICC ;="Mouse". doi:10.4172/2277-1891.1000171