## bs-0135R

## [ Primary Antibody ]

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# **HSP90** beta Rabbit pAb

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 (1:100-500)

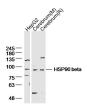
Reactivity: Human, Mouse, Rat

(predicted: Pig, Cow, Chicken, Dog)

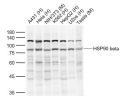
Predicted 84 kDa

Subcellular Location: Cytoplasm

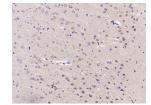
## VALIDATION IMAGES



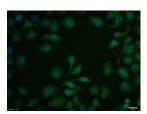
Sample: HepG2 Cell Lysate at 40 ug Cerebrum (Mouse) Lysate at 40 ug Cerebrum (Rat) Lysate at 40 ug Primary: Anti- HSP90 beta (bs-0135R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 84kD Observed band size: 90kD



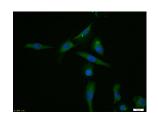
Sample: Lane 1: A431 (Human) Cell Lysate at 30 ug Lane 2: Hela (Human) Cell Lysate at 30 ug Lane 3: NIH/3T3 (Mouse) Cell Lysate at 30 ug Lane 4: K562 (Human) Cell Lysate at 30 ug Lane 5: HepG2 (Human) Cell Lysate at 30 ug Lane 6: U2os (Human) Cell Lysate at 30 ug Lane 7: Testis (Mouse) Lysate at 40 ug 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

conjugated Goat Anti-Rabbit IgG antibody at used to stain the cell nuclei.

### - SELECTED CITATIONS -

- [IF=4.258] Mori et al. MUC1 protein induces urokinase-type plasminogen activator (uPA) by forming a complex with NFкВ 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< i> Megalobrama amblycephala</i> 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 - kB 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 CD133high/CD44high 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