

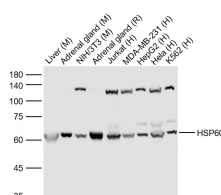
**bs-0191R****[ Primary Antibody ]****HSP60 Rabbit pAb****Bioss**  
**ANTIBODIES**

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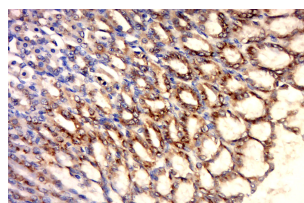
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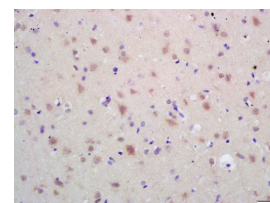
400-901-9800

**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GenelD:** 3329**Target:** HSP60**Immunogen:** KLH conjugated synthetic peptide derived from human HSP60: 501-573/573.**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 chaperonin family. The encoded mitochondrial protein may function as a signaling molecule in the innate immune system. This protein is essential for the folding and assembly of newly imported proteins in the mitochondria. This gene is adjacent to a related family member and the region between the 2 genes functions as a bidirectional promoter. Two pseudogenes, both located on chromosome 8, have been associated with this gene. Two transcript variants encoding the same protein have been identified for this gene. Mutations associated with this gene cause autosomal recessive spastic paraplegia 13.**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: Rabbit, Cow, Dog, Horse)**Predicted MW:** 58 kDa**Subcellular Location:** Cytoplasm**VALIDATION IMAGES**

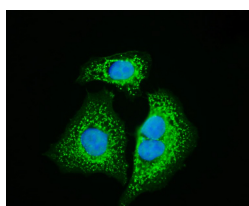
Sample: Lane 1: Liver (Mouse) Lysate at 40 ug  
 Lane 2: Adrenal gland (Mouse) Lysate at 40 ug  
 Lane 3: NIH/3T3 (Mouse) Cell Lysate at 30 ug  
 Lane 4: Adrenal gland (Rat) Lysate at 40 ug  
 Lane 5: Jurkat (Human) Cell Lysate at 30 ug  
 Lane 6: MDA-MB-231 (Human) Cell Lysate at 30 ug  
 Lane 7: HepG2 (Human) Cell Lysate at 30 ug  
 Lane 8: Hela (Human) Cell Lysate at 30 ug  
 Lane 9: K562 (Human) Cell Lysate at 30 ug  
 Primary: Anti-HSP60 (bs-0191R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 62 kD  
 Observed band size: 62 kD



Paraformaldehyde-fixed, paraffin embedded (rat stomach); 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 (HSP60) Polyclonal Antibody, Unconjugated (bs-0191R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-HSP60 Polyclonal Antibody, Unconjugated (bs-0191R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) 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

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

min; Antibody incubation with (HSP60)  
polyclonal Antibody, Unconjugated (bs-0191R)  
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.

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## — SELECTED CITATIONS —

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- **[IF=9.207]** Muñoz Vitor Rosetto. et al. Effects of short-term endurance and strength exercise in the molecular regulation of skeletal muscle in hyperinsulinemic and hyperglycemic Slc2a4+/- mice. CELL MOL LIFE SCI. 2023 May;80(5):1-16 WB ;Mouse. 37052684
- **[IF=7.666]** Shulipan Mulati. et al. 6-Shogaol Exhibits a Promoting Effect with Tax via Binding HSP60 in Non-Small-Cell Lung Cancer. CELLS-BASEL. 2022 Jan;11(22):3678 WB ;Human. 36429106
- **[IF=8.355]** Shi S et al. Homologous-targeting biomimetic nanoparticles for photothermal therapy and Nrf2-siRNA amplified photodynamic therapy against oral tongue squamous cell carcinoma. Chemical Engineering Journal, 2020, 124268. WB ;Human. doi:10.1016/j.cej.2020.124268
- **[IF=7.36]** Qi et al. Two-dimensional differential gel electrophoresis/analysis of diethylnitrosamine induced rat hepatocellular carcinoma. (2008) Int.J.Cancer. 122:2682-8 WB ;Rat. 18351647
- **[IF=6.244]** Xinrui Zhang. et al. Wan-Nian-Qing, a Herbal Composite Prescription, Suppresses the Progression of Liver Cancer in Mice by Regulating Immune Response. Front Oncol. 2021; 11: 696282 WB ;Mouse. 34307161