

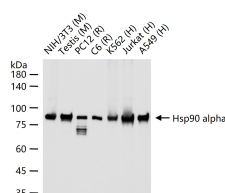
bsm-52353R**[Primary Antibody]****Hsp90 alpha Recombinant Rabbit mAb****Bioss**
ANTIBODIES

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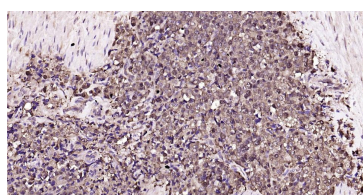
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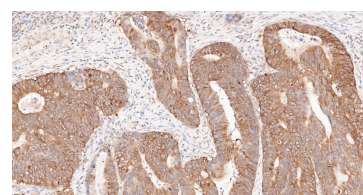
400-901-9800

— DATASHEET —**Host:** Rabbit**Clonality:** Recombinant**GeneID:** 3320**Target:** Hsp90 alpha**Immunogen:** A synthesized peptide derived from human Hsp90 alpha: 1-52.**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:** 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.**Isotype:** IgG**CloneNo.:** 2A1**SWISS:** P07900**Applications:** **WB** (1:1000-5000)**IHC-P** (1:200-500)**IHC-F** (1:200-500)**IF** (1:200-500)**Flow-Cyt** (1:50-100)**ICC/IF** (1:50-200)**Reactivity:** Human, Mouse, Rat**Predicted
MW.:** 85 kDa**Observed
MW.:** 86 kDa**Subcellular
Location:** Cell membrane ,Cytoplasm**— VALIDATION IMAGES —**

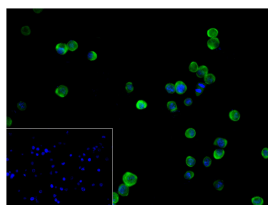
25 ug total protein per lane of various lysates (see on figure) probed with Hsp90 alpha monoclonal antibody, unconjugated (bsm-52353R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



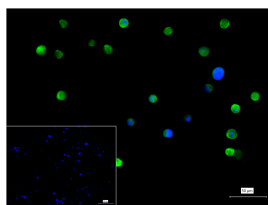
Paraformaldehyde-fixed, paraffin embedded Human Prostate Tumor; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Hsp90 alpha Monoclonal Antibody, Unconjugated (bsm-52353R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining



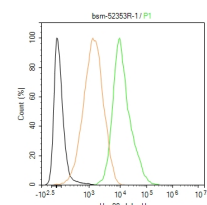
Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Hsp90 alpha Monoclonal Antibody, Unconjugated (bsm-52353R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



4% Paraformaldehyde-fixed K562 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Hsp90 alpha) monoclonal Antibody, unconjugated (bsm-52353R) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



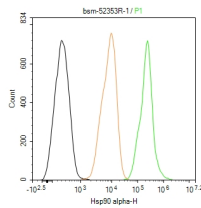
4% Paraformaldehyde-fixed Jurkat (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Hsp90 alpha) monoclonal Antibody, unconjugated (bsm-52353R) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The Jurkat (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-Hsp90 alpha antibody (bsm-52353R, 1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was

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performed.



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— SELECTED CITATIONS —

- **[IF=9.4]** Yundi Wu. et al. Excessive autophagy-inducing and highly penetrable biomineralized bacteria for multimodal imaging-guided and mild hyperthermia-enhanced immunogenic cell death. J COLLOID INTERF SCI. 2025 Feb;679:181 IF,WB ;Mouse. 39362143