

bsm-52353R**[Primary Antibody]****BioSS**
ANTIBODIES

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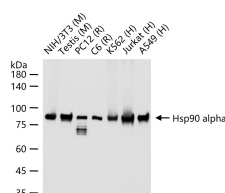
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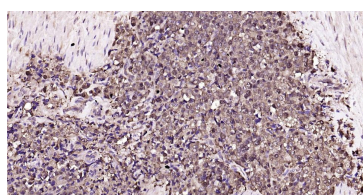
400-901-9800

Hsp90 alpha Recombinant Rabbit mAb**— DATASHEET —**

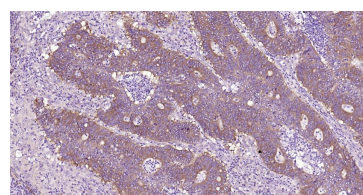
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-5000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:50-200) Reactivity: Human, Mouse, Rat Predicted MW.: 85 kDa Subcellular Location: Cell membrane ,Cytoplasm
Clonality: Recombinant	CloneNo.: 2A1	
GeneID: 3320	SWISS: P07900	
Target: Hsp90 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.		

— 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.

— 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