

bs-1820R**[Primary Antibody]****HMGB4 Rabbit pAb****Bioss**
ANTIBODIES

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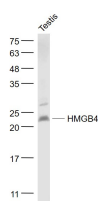
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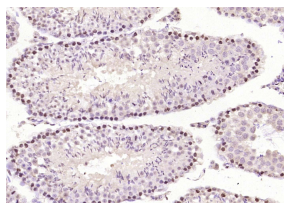
400-901-9800

— DATASHEET —

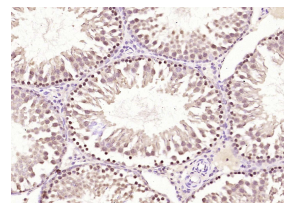
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 127540	SWISS: Q8WW32	IHC-F (1:100-500)
Target: HMGB4		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human HMGB4: 31-130/186.		
Purification: affinity purified by Protein 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: High Mobility Group (HMG) proteins, a group of chromosomal proteins common to all eukaryotes, bind DNA in a non-sequence-specific fashion to promote chromatin function and gene regulation, helping with transcription, replication, recombination, and DNA repair. HMGB4 is HMG2-like, isoform 2, high-mobility group box 4. This gene can be found on Chromosome 1. HMGB4 contains two HMG-box regions, and is found in a variety of eukaryotic chromosomal proteins. HMGB proteins are phosphorylated to various extents. The existence of differentially modified forms increases the number of distinct HMGB protein variants in plant chromatin that may be adapted to certain functions.		
		Reactivity: Mouse, Rat (predicted: Human, Pig, Cow, Dog)
		Predicted MW.: 22 kDa
		Subcellular Location: Nucleus

— VALIDATION IMAGES —

Sample: Testis (Rat) Lysate at 40 ug Primary:
Anti- HMGB4 (bs-1820R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 22 kD
Observed band size: 22 kD



Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); 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 (HMGB4) Polyclonal Antibody, Unconjugated (bs-1820R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat testis tissue); 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 (HMGB4) Polyclonal Antibody, Unconjugated (bs-1820R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.