

bs-10721R**[Primary Antibody]****Bioss**
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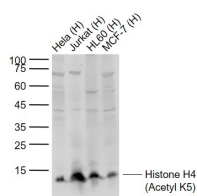
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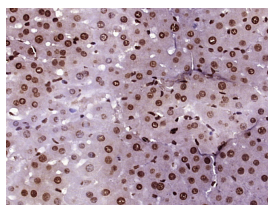
400-901-9800

Histone H4 (Acetyl K5) Rabbit pAb**— DATASHEET —**

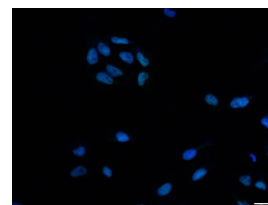
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100) Reactivity: Human, Rat (predicted: Mouse, Rabbit, Pig, Cow, Dog, Horse) Predicted MW.: 11 kDa Subcellular Location: Nucleus
Clonality: Polyclonal		
GeneID: 121504	SWISS: P62805	
Target: Histone H4 (Acetyl K5)		
Immunogen: KLH conjugated synthesised acetylpeptide derived from human Histone H4 around the acetylation site of Acetyl Lys5: RG(Ac-K)GG.		
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: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. [provided by RefSeq, Jul 2008]		

— VALIDATION IMAGES —

Sample: Lane 1: Human Hela cell lysates Lane 2: Human Jurkat cell lysates Lane 3: Human HL60 cell lysates Lane 4: Human MCF-7 cell lysates
Primary: Anti-Histone H4 (Acetyl K5) (bs-10721R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 11 kD Observed band size: 11 kD



Paraformaldehyde-fixed, paraffin embedded (rat liver 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 (H4 (Acetyl K5)) Polyclonal Antibody, Unconjugated (bs-10721R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Hela 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 (Histone H4 (Acetyl K5)) polyclonal Antibody, Unconjugated (bs-10721R) 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.

— SELECTED CITATIONS —

- **[IF=9.2]** Sun Xian. et al. Inhibition of Galectin-9 sensitizes tumors to anthracycline treatment via inducing antitumor immunity. INT J BIOL SCI. 2023 Aug;19(14):4644-4656 IHC ;Human. 10.7150/ijbs.84108
- **[IF=6.6]** Yinjie Lian. et al. Histone Chaperone Nrp1 Mutation Affects the Acetylation of H3K56 in Tetrahymena thermophila. Cells-Basel. 2022 Jan;11(3):408 WB ;Tetrahymena. 35159218

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