

bs-3774R**[Primary Antibody]**

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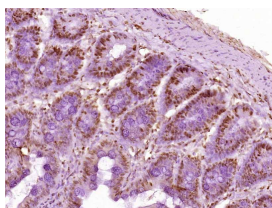
400-901-9800

Histone H3 (Acetyl K23) Rabbit pAb

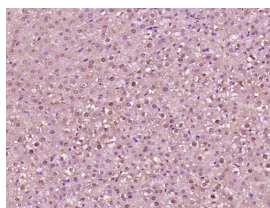
DATASHEET

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1µg/Test) ICC/IF (1:50-1:200) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Fruit Fly) Predicted MW.: 15 kDa Subcellular Location: Nucleus
Clonality: Polyclonal		
GeneID: 8350	SWISS: P68431	
Target: Histone H3 (Acetyl K23)		
Immunogen: KLH conjugated synthesised acetylpeptide derived from human Histone H3 around the acetylation site of K23: AT(Acetyl-K)VA.		
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: Modulation of the chromatin structure plays an important role in the regulation of transcription in eukaryotes. The nucleosome, made up of four core histone proteins (H2A, H2B, H3 and H4), is the primary building block of chromatin. The N-terminal tail of core histones undergoes different posttranslational modifications including acetylation, phosphorylation and methylation. These modifications occur in response to cell signal stimuli and have a direct effect on gene expression. In most species, the histone H2B is primarily acetylated at lysines 5, 12, 15 and 20. Histone H3 is primarily acetylated at lysines 9, 14, 18 and 23. Acetylation at lysine 9 appears to have a dominant role in histone deposition and chromatin assembly in some organisms. Phosphorylation at Ser10 of histone H3 is tightly correlated with chromosome condensation during both mitosis and meiosis.		

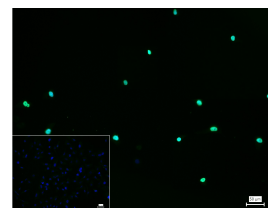
VALIDATION IMAGES



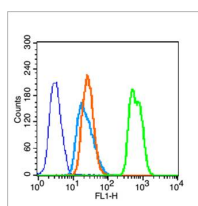
Paraformaldehyde-fixed, paraffin embedded (Rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Histone H3(Acetyl K23)) Polyclonal Antibody, Unconjugated (bs-3774R) 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 liver); 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 (Histone H3(Acetyl K23)) Polyclonal Antibody, Unconjugated (bs-3774R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



4% Paraformaldehyde-fixed HeLa (treated with 500 ng/ml Trichostatin A for 4 h) (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Histone H3 (Acetyl K23)) polyclonal Antibody, unconjugated (bs-3774R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) 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.



Blank control (blue line): HeLa (fixed with 70%)

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

ethanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min on ice). Primary Antibody (green line): Rabbit Anti-Histone H3(Acetyl K23) antibody (bs-3774R), Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC, Dilution: 1µg /test.