Histone H3 (acetyl K9) Rabbit pAb

Catalog Number:	BN40962R
Target Protein:	Histone H3 (acetyl K9)
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), Flow-Cyt (1μg/Test), IF (1:100-500), ELISA (1:5000-10000)
Reactivity:	Human,Mouse,Rat (predicted:Rabbit,Pig,Cow,Fruit Fly)
Predicted MW:	15 kDa
Isotype:	IgG
Entrez Gene:	8350
Swiss Prot:	P68431
Source:	KLH conjugated synthesised acetylpeptide derived from human Histone H3 around the acetylation site of K9: AR(Ac-K)ST.
Purification:	affinity purified by Protein A
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.