

Basic Information

Product Name	Anti-Histone H4 (acetyl K5) Antibody (Clone#CCA-8)		
Gene Name	H4C1/H4C2/H4C3/H4C4/H4C5/H4C6/H4C8/H4C9/H4C11/H4C12/H4C13/H4C14/H4C15/H4C16		
Source	Rabbit		
Clonality	Monoclonal		
Isotype	IgG		
Species Reactivity	human, mouse, rat		
Tested Application	WB, IHC, ICC/IF, IP		
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.		
Immunogen	A synthesized peptide derived from human Histone H4 (acetyl K5) Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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.		
Concentration	500 ug/ml		
Purification	Affinity-chromatography		
Observed MW	11 kDa		
Dilution Ratios	Western blot (WB):	1:500-2000	
	Immunohistochemistry (IHC):	1:50-200	
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200	
	ImmunoPrecipitation (IP):	1:20	

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

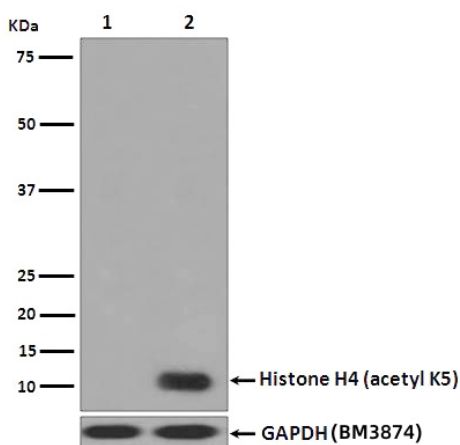
Histones are the main constituents of the protein part of chromosomes of eukaryotic cells. They are rich in the amino

acids arginine and lysine and have been greatly conserved during evolution. Histones pack the DNA into tight masses of chromatin. Two core histones of each class H2A, H2B, H3 and H4 assemble and are wrapped by 146 base pairs of DNA to form one octameric nucleosome. Histone tails undergo numerous post-translational modifications, which either directly or indirectly alter chromatin structure to facilitate transcriptional activation or repression or other nuclear processes. In addition to the genetic code, combinations of the different histone modifications reveal the so-called "histone code". Histone methylation and demethylation is dynamically regulated by respectively histone methyltransferases and histone demethylases.

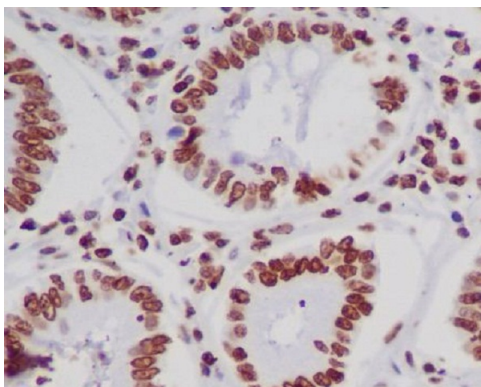
Reference

Anti-Histone H4 (acetyl K5) Antibody (Clone#CCA-8)被引用在1文献中。

Selected Validation Data



Western blot analysis of Histone H4 (acetyl K5) expression in (1) Untreated HeLa cell lysate; (2) TSA treated HeLa cell lysate.



Immunohistochemical analysis of paraffin-embedded human colon, using Histone H4 (acetyl K5) Antibody.

Product datasheet

**Anti-Histone H4 (acetyl K5) Antibody
(Clone#CCA-8)**

Catalog Number: BM4189



antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

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