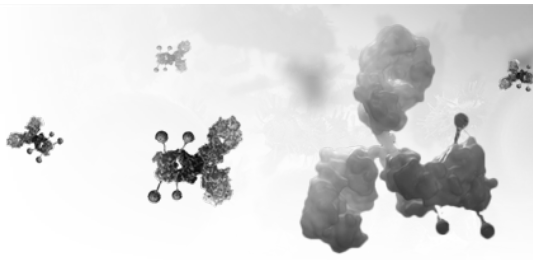

Rabbit Anti-Human Histone H4 (Acetyl-Lys8) monoclonal antibody, clone 9I6M5 (CABT-L1381)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody may react with many other species.
Target	Histone H4
Immunogen	Acetylated peptide (Lys8) corresponding to Human H4 (aa 6-13)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	9I6M5
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	FC, ICC, IF, WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS, pH 7.2
Preservative	0.09% Sodium Azide
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

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BACKGROUND

Introduction	Histone octamers are an essential component of the nucleosomal complex with key roles in chromatin packaging and target gene transcription. They undergo various post-translational modifications including methylation, acetylation and phosphorylation to facilitate chromatin regulation. These modifications in turn serve as epigenetic markers for transcriptional status of a gene and landing sites for transcriptional complexes. The N-terminal tail of H4 undergoes acetylation regulated by histone acetyl transferases and histone deacetylases. Acetylated Histone 4 at Lysine 8 (H3k8ac) is typically enriched at positively regulated gene promoters. It is one of the most prominent markers for actively transcribed regions of the chromatin and also has a critical role in transcriptional elongation.
Keywords	H4;histone H4;H4;H4_HUMAN;H4F2;HIST4H4;Histone H4;H4.1

GENE INFORMATION

Entrez Gene ID	121504
UniProt ID	P62805

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