

Acetyl-Histone H4-K12 pAb

Catalog No	A14227	Category	Acetylated Antibodies
Applications	WB	Observed MW	Refer to Figures
Cross-Reactivity	Human,Mouse,Rat,Other (Wide Range)	Calculated MW	11kDa

Immunogen Information

Immunogen	A synthetic acetylated peptide around K12 of human Histone H4 (NP_001029249.1).
Gene ID	8366
Swiss Prot	P62805
Synonyms	H4/I,H4FI

Product information

Source	Rabbit
Isotype	IgG
Purity	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.

Recommended Dilutions

WB	1:500 - 1:2000
----	----------------