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Histone H4 (acetyl K16) Antibody

Rabbit mAb
Catalog # AP90325

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	P62805
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	H4F2; HIST; HIST1H4A; Histone H4.AC-H4K5;H4K5;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	11367

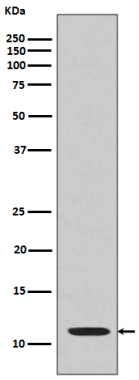
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Histone H4 (acetyl K16)
Description	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. This gene is intronless and encodes a member of the histone H4 family.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	H4C1
Synonyms	H4/A, H4FA, HIST1H4A
Function	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.
Cellular Location	Nucleus {ECO:0000250|UniProtKB:P62806}. Chromosome. Note=Localized to the nucleus when acetylated in step 11 spermatids. {ECO:0000250|UniProtKB:P62806}

Images



Western blot analysis of Acetyl-Histone H4 (K16) expression in HeLa cell lysate treated with TSA.

Image not found : 202311/AP90325-IHC.jpg

Immunohistochemical analysis of paraffin-embedded rat lung, using Histone H4 (acetyl K16) Antibody.

Image not found : 202311/AP90325-IF.jpg

Immunofluorescent analysis of HeLa cells treated with TSA, using Histone H4 (acetyl K16) Antibody .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.