

Anti-Histone H4 (acetyl K16) HIST1H4A Monoclonal Antibody

Catalog # ABO14361

Product Information

Application	WB, IHC, IF, ICC, FC
Primary Accession	P62805
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Histone H4 (acetyl K16) HIST1H4A Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

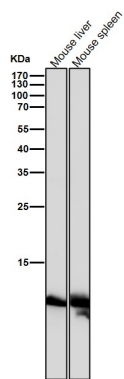
Gene ID	121504;554313;8294;8359;8360;8361;8362;8363;8364;8365;8366;8367;8368;8370
Other Names	Histone H4, H4C1, H4/A, H4FA, HIST1H4A
Calculated MW	11367
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 FC 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: COC-8
Immunogen	A synthesized peptide derived from human Histone H4 (acetyl K16)
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

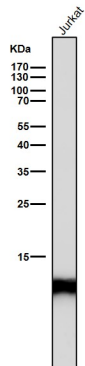
Name	H4C1
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Synonyms	H4/A, H4FA, HIST1H4A
Function	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central 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}

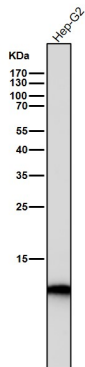
Images



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

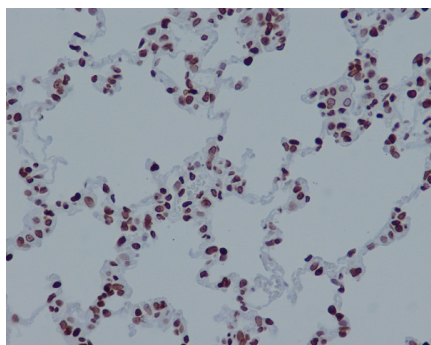
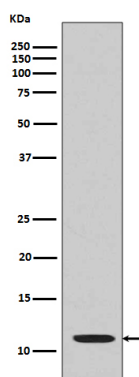


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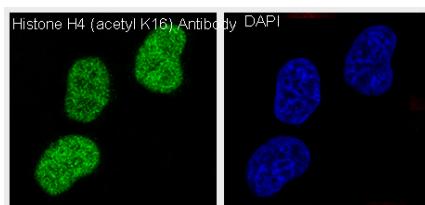


All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

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



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



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'.