

Anti-Histone H4 (acetyl K5) HIST1H4A Monoclonal Antibody Catalog # ABO14363

Specification

Anti-Histone H4 (acetyl K5) HIST1H4A Monoclonal Antibody - Product Information

Application WB, IHC, IF, ICC, IP

Primary Accession
Host
Rabbit
Isotype
Rabbit IgG

Reactivity Rat, Human, Mouse

Clonality Monoclonal Format Liquid

Description

Anti-Histone H4 (acetyl K5) HIST1H4A Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

Anti-Histone H4 (acetyl K5) HIST1H4A Monoclonal Antibody - 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

Application Details

WB 1:1000-1:2000
br>IHC 1:50-1:200
br>ICC/IF 1:50-1:200
br>IP 1:50

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.

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.

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.

Anti-Histone H4 (acetyl K5) HIST1H4A Monoclonal Antibody - 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

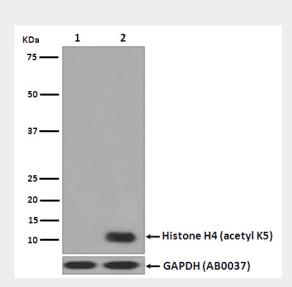
Nucleus {ECO:0000250|UniProtKB:P62806}. Chromosome. Note=Localized to the nucleus when acetylated in step 11 spermatids. {ECO:0000250|UniProtKB:P62806}

Anti-Histone H4 (acetyl K5) HIST1H4A Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

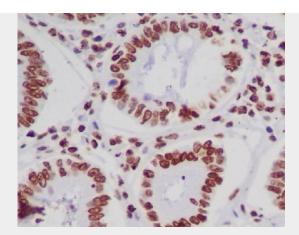
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-Histone H4 (acetyl K5) HIST1H4A Monoclonal Antibody - Images



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





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