

Histone H4 (acetyl K5) Antibody
Rabbit mAb
Catalog # AP90353**Specification**

Histone H4 (acetyl K5) Antibody - Product Information

| | |
|--|------------------------|
| Application | WB, IHC, ICC, IP |
| Primary Accession | P62805 |
| Reactivity | Rat |
| Clonality | Monoclonal |
| Other Names | |
| H4F2; HIST; HIST1H4A; Histone H4.AC-H4K5;H4K5; | |

| | |
|---------------|------------|
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 11367 Da |

Histone H4 (acetyl K5) Antibody - Additional Information

| | |
|------------------------------|--|
| Dilution | WB~~1:1000 IHC~~1:100~500 ICC~~N/A IP~~N/A |
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human Histone H4 (acetyl K5) |
| Description | 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. |
| 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. |

Histone H4 (acetyl K5) 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

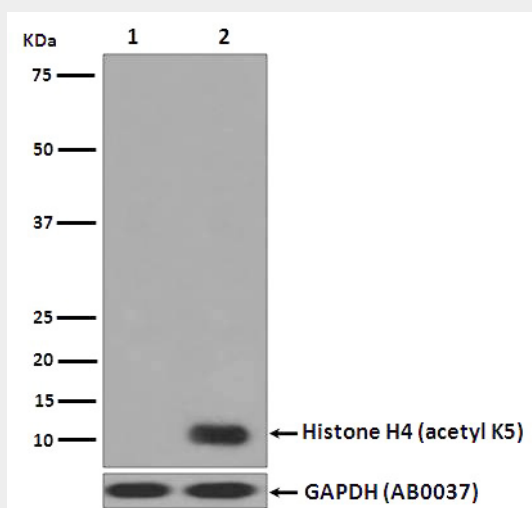
Nucleus {ECO:0000250|UniProtKB:P62806}. Chromosome. Note=Localized to the nucleus when acetylated in step 11 spermatids. {ECO:0000250|UniProtKB:P62806}

Histone H4 (acetyl K5) Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Histone H4 (acetyl K5) Antibody - Images



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