10320 Camino Santa Fe, Suite A
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Histone H4 (mono methyl K20) Antibody
Rabbit mAb
Catalog # AP93185

Specification

Histone H4 (mono methyl K20) Antibody - Product Information

Application	**WB, IHC, ICC, CHIP**
Primary Accession	P62805
Reactivity	**Rat**
Clonality	**Monoclonal**

Other Names
Histone H4; HIST1H4A; H4/A, H4FA; HIST1H4B; H4/I; H4FI; HIST1H4C; H4/G, H4FG; HIST1H4D; H4/B, H4FB; HIST1H4E; H4/J, H4FJ; HIST1H4F; H4/C; H4FC; HIST1H4H; H4/H; H4FH; HIST1H4I; H4/M; H4FM; HIST1H4J; H4/E, H4FE; HIST1H4K; H4/D, H4FD; HIST1H4L; H4/K; H4FK;

Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**11367 Da**

Histone H4 (mono methyl K20) Antibody - Additional Information

Dilution	**WB~~1:1000** **IHC~~1:100~500** **ICC~~N/A** **CHIP~~N/A**
Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human Histone H4 (mono methyl K20)**
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. 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.**

Histone H4 (mono methyl K20) Antibody - Protein Information

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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.

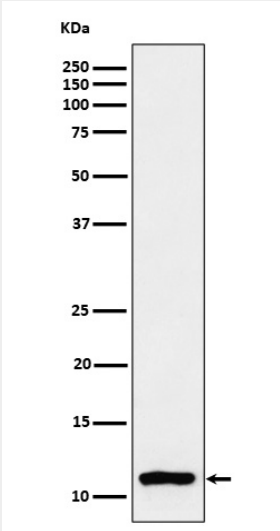
Cellular Location
Nucleus {ECO:0000250|UniProtKB:P62806}. Chromosome. Note=Localized to the nucleus when acetylated in step 11 spermatids. {ECO:0000250|UniProtKB:P62806}

Histone H4 (mono methyl K20) 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 Cytomety
- Cell Culture

Histone H4 (mono methyl K20) Antibody - Images



Western blot analysis of Histone H4 (mono methyl K20) expression in Hela cell lysate.