

Histone H4 (mono methyl K16) Antibody

Rabbit mAb Catalog # AP90479

Specification

Histone H4 (mono methyl K16) Antibody - Product Information

Application WB, ICC **Primary Accession** P62805 Clonality **Monoclonal**

Other Names

H4; H4/n; H4F2; H4FN; FO108; HIST2H4; H4K16me1;

Isotype Rabbit IgG Host Rabbit Calculated MW 11367 Da

Histone H4 (mono methyl K16) Antibody - Additional Information

Dilution WB~~1:1000

ICC~~N/A Purification **Affinity-chromatography**

Immunogen A synthesized peptide derived from human

Histone H4 (mono methyl K16)

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 (mono methyl K16) 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

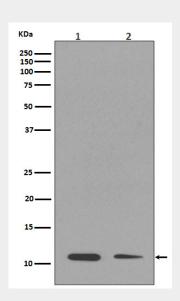
Nucleus {ECO:0000250|UniProtKB:P62806}. Chromosome. Note=Localized to the nucleus when acetylated in step 11 spermatids. {ECO:0000250|UniProtKB:P62806}

Histone H4 (mono methyl K16) Antibody - Protocols

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

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

Histone H4 (mono methyl K16) Antibody - Images



Western blot analysis of Histone H4 (mono methyl K16) expression in (1) NIH/3T3 cell lysate; (2) A549 cell lysate.