

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

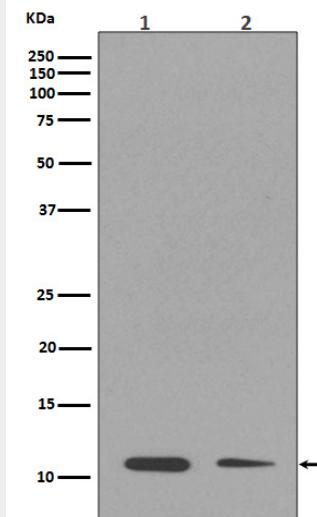
Nucleus {ECO:0000250|UniProtKB:P62806}. Chromosome. Note=Localized to the nucleus when acetylated in step 11 spermatids. {ECO:0000250|UniProtKB:P62806}

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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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.