10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Histone H4 Antibody

Rabbit mAb
Catalog # AP90877

Product Information

Application	WB, IHC, IF, ICC, IP, IHF
Primary Accession	P62805
Reactivity	Rat, Human, Mouse
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

Additional Information

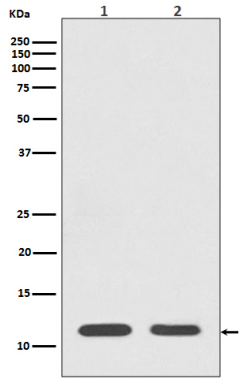
Dilution	WB 1:500~1:1000 IHC 1:100~1:500 ICC/IF 1:50~1:200 IP 1:50 FC 1:50 ChIP
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Histone H4
Description	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber 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.

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}

Images



Western blot analysis of Histone H4 expression in (1) HeLa cell lysate; (2) 3T3 cell lysate.

Image not found : 202311/AP90877-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human uterus, using Histone H4 Antibody.

Image not found : 202311/AP90877-IF.jpg

Immunofluorescent analysis of Hela cells, using Histone H4 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.