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

Histone H3 (di methyl K4) Antibody

Rabbit mAb
Catalog # AP90181

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	P68431
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Histone H3.1; Histone H3; HIST1H3A; H3K4me2;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	15404

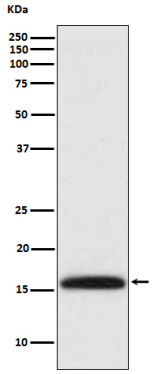
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Methyl-Histone H3 (di K4)
Description	H3 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.
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	H3C1 (HGNC:4766)
Synonyms	H3FA, HIST1H3A
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. Chromosome.

Images



Western blot analysis of Methyl-Histone H3 (di K4) expression in HeLa cell lysate.

Image not found : 202311/AP90181-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human liver, using Methyl-Histone H3 (di K4) Antibody.