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Histone H3 (mono methyl K18) Antibody

Rabbit mAb
Catalog # AP90487

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	P68431
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	H3 histone; HIST1H3A; Histone cluster 1, H3a; H3K18me1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	15404

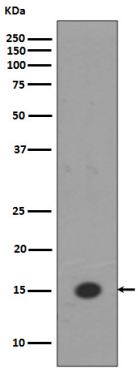
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:500~1:2000 ICC/IF 1:100~1:500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Histone H3 (mono methyl K18)
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. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. The nucleosome is a histone octamer containing two molecules each of H2A, H2B, H3 and H4 assembled in one H3-H4 heterotetramer and two H2A-H2B heterodimers.
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 Histone H3 (mono methyl K18) expression in HeLa cell lysate.

Image not found : 202311/AP90487-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human liver, using Histone H3 (mono methyl K18) Antibody.

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