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Histone H3 (mono+di+tri methyl K79) Antibody

Rabbit mAb
Catalog # AP90486

Product Information

Application	WB, IHC
Primary Accession	P68431
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	H3 histone; HIST1H3A; Histone cluster 1, H3a;H3/l; HIST3H3; H3K79me1; H3K79me2; H3K79me3;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	15404

Additional Information

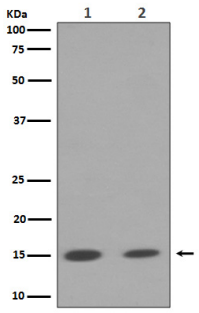
Dilution	WB 1:500~1:1000 IHC 1:1000~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Histone H3 (mono+di+tri methyl K79)
Description	H3 Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular 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+di+tri methyl K79) expression in (1) NIH/3T3 cell lysate; (2) A549 cell lysate.

Image not found : 202311/AP90486-IHC.jpg

Immunohistochemical analysis of paraffin-embedded rat colon, using Histone H3 (mono+di+tri methyl K79) Antibody.

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