

Histone H3 (mono methyl K36) Antibody

Rabbit mAb Catalog # AP90480

Product Information

Application WB, IF, ICC **Primary Accession** P68431

Reactivity Human, Mouse **Clonality** Monoclonal

Other Names H3 histone; HIST1H3A; Histone cluster 1, H3a; H3K36me1

IsotypeRabbit IgGHostRabbitCalculated MW15404

Additional Information

Dilution WB 1:500~1:2000 ICC/IF 1:50~1:200

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human Histone H3 (mono methyl K36) **Description** Histone H3 is one of the five main histone proteins involved in the structure

of chromatin in eukaryotic cells. 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 (<u>HGNC:4766</u>)

Synonyms H3FA, HIST1H3A

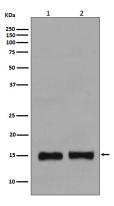
Function Core component of nucleosome. Nucleosomes wrap and compact DNA into

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 K36) expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate.

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