

Phospho-Histone H3 (S10) Antibody

Rabbit mAb Catalog # AP90233

Product Information

Application WB, IHC, IF, ICC, IP, IHF

Primary Accession P68431

Reactivity Rat, Human, Mouse

Clonality Monoclonal

Other Names H3 histone, family 3A; H3 histone, family 3B (H3.3B); H3.3A; H3.3B; H3F3;

H3F3A; H3F3B; Histone H3.3;

IsotypeRabbit IgGHostRabbitCalculated MW15404

Additional Information

Dilution WB 1:1000~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human Phospho-Histone H3 (S10)

Description Variant histone H3 which replaces conventional H3 in a wide range of

nucleosomes in active genes. Constitutes the predominant form of histone H3 in non-dividing cells and is incorporated into chromatin independently of DNA synthesis. Deposited at sites of nucleosomal displacement throughout transcribed genes, suggesting that it represents an epigenetic imprint of transcriptionally active chromatin. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require

DNA as a template.

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

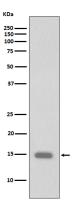
Function Core component of nucleosome. Nucleosomes wrap and compact DNA into

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 Phospho-Histone H3 (S10) expression in Hela cell lysate treated with calyculin A.

Image not found: 202311/AP90233-IHC.jpg

Immunohistochemical analysis of paraffin-embedded mouse liver, using Phospho-Histone H3 (S10) Antibody.

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