

Phospho-Histone H3 (S10) Antibody

Rabbit mAb

Catalog # AP90233

Specification

Phospho-Histone H3 (S10) Antibody - Product Information

Application WB, IHC, ICC, IP

Primary Accession P68431
Reactivity Rat

Clonality Monoclonal

Other Names

H3 histone, family 3A; H3 histone, family 3B (H3.3B); H3.3A; H3.3B; H3F3; H3F3A; H3F3B;

Histone H3.3;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 15404 Da

Phospho-Histone H3 (S10) Antibody - Additional Information

Dilution WB~~1:1000

IHC~~1:100~500

ICC~~N/A IP~~N/A

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.

Phospho-Histone H3 (S10) Antibody - Protein Information



Synonyms H3FA, HIST1H3A

Name H3C1 (<u>HGNC:4766</u>)

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

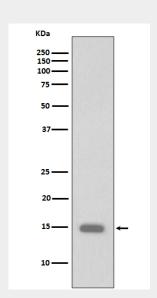
Nucleus, Chromosome,

Phospho-Histone H3 (S10) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Phospho-Histone H3 (S10) Antibody - Images



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