

Phospho-Histone H3 (T3) Antibody
Rabbit mAb
Catalog # AP90165

Specification

Phospho-Histone H3 (T3) Antibody - Product Information

Application	WB, IHC, FC, ICC
Primary Accession	P84243
Clonality	Monoclonal
Other Names	
H3 histone family, member A; H3/A; H31; H3FA; H3FB; H3FC; H3FD; H3FF; H3FH; H3FI; H3FJ; H3FK; H3FL; HIST1H3A	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	15328 Da

Phospho-Histone H3 (T3) Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Phospho-Histone H3 (T3)
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.
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 (T3) Antibody - Protein Information

Name H3-3A ([HGNC:4764](#))

Synonyms H3.3A, H3F3, H3F3A

Function

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. 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

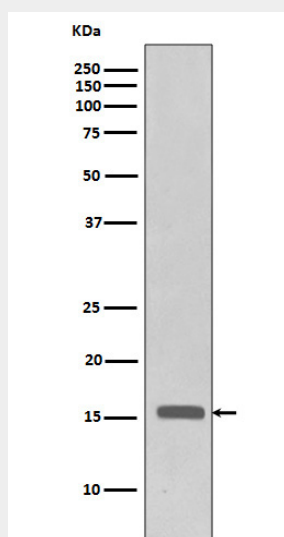
Nucleus. Chromosome

Phospho-Histone H3 (T3) Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Phospho-Histone H3 (T3) Antibody - Images



Western blot analysis of Phospho-Histone H3 (Thr3) in HeLa cell lysates treated with FBS + Calyculin A.