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HIST3H3 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12225c

Specification

HIST3H3 Antibody (Center) - Product Information

Application	**WB, FC,E**
Primary Accession	Q16695
Other Accession	NP_003484.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**15508**
Antigen Region	**50-78**

HIST3H3 Antibody (Center) - Additional Information

Gene ID 8290

Other Names
Histone H31t, H3/t, H3t, H3/g, HIST3H3, H3FT

Target/Specificity
This HIST3H3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 50-78 amino acids from the Central region of human HIST3H3.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
HIST3H3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

HIST3H3 Antibody (Center) - Protein Information

Name H3-4 (HGNC:4778)

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.

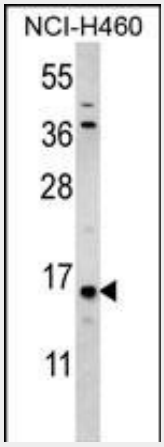
Tissue Location
Expressed in testicular cells.

HIST3H3 Antibody (Center) - Protocols

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

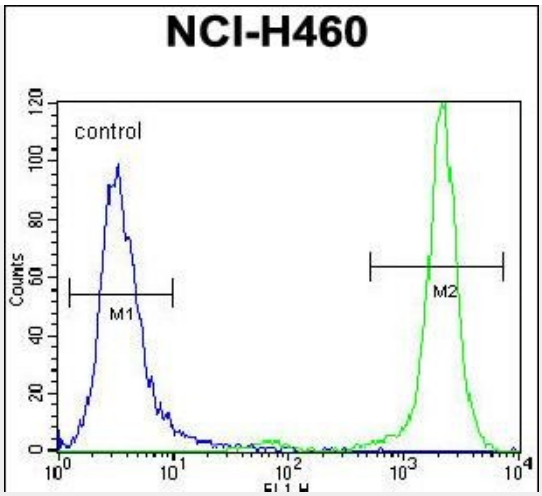
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HIST3H3 Antibody (Center) - Images



HIST3H3 Antibody (Center) (Cat. #AP12225c) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the HIST3H3 antibody detected the HIST3H3 protein (arrow).

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HIST3H3 Antibody (Center) (Cat. #AP12225c) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

HIST3H3 Antibody (Center) - Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq].

HIST3H3 Antibody (Center) - References

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Nair, S.S., et al. EMBO Rep. 11(6):438-444(2010)
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