

**HIST3H3 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8920a****Specification**

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**HIST3H3 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q16695</a>
Other Accession	<a href="#">P61830</a> , <a href="#">P02299</a> , <a href="#">P08898</a> , <a href="#">P02302</a> , <a href="#">P02301</a> , <a href="#">Q6NXT2</a> , <a href="#">A5PK61</a> , <a href="#">Q6PI79</a> , <a href="#">P84245</a> , <a href="#">P84246</a> , <a href="#">Q71LE2</a> , <a href="#">P84244</a> , <a href="#">P84243</a> , <a href="#">P84249</a> , <a href="#">Q6PI20</a> , <a href="#">P84247</a> , <a href="#">Q5E9F8</a> , <a href="#">Q9U281</a> , <a href="#">Q10453</a> , <a href="#">P84233</a> , <a href="#">P84228</a> , <a href="#">Q71DI3</a> , <a href="#">Q4ORF4</a> , <a href="#">P84229</a> , <a href="#">P84227</a> , <a href="#">Q6LED0</a> , <a href="#">P68433</a> , <a href="#">P68431</a> , <a href="#">P68432</a> , <a href="#">C0HL66</a> , <a href="#">C0HL67</a> , <a href="#">Q5TEC6</a>
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Chicken, Zebrafish, Xenopus, C.Elegans, Drosophila, Pig, Rabbit, Yeast
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	1-30

**HIST3H3 Antibody (N-term) - 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 1-30 amino acids from the N-terminal region of human HIST3H3.

**Dilution**

WB~~1:1000

**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 (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## HIST3H3 Antibody (N-term) - 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**

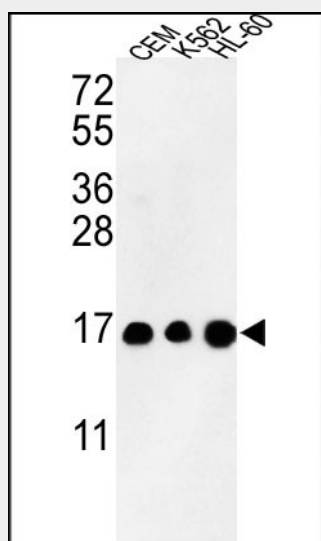
Expressed in testicular cells.

## HIST3H3 Antibody (N-term) - 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](#)

## HIST3H3 Antibody (N-term) - Images



Western blot analysis of HIST3H3 Antibody (N-term) (Cat. #AP8920a) in CEM, K562, HL-60 cell line lysates (35ug/lane). HIST3H3 (arrow) was detected using the purified Pab.

## HIST3H3 Antibody (N-term) - Background

HIST3H3 is 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.

#### **HIST3H3 Antibody (N-term) - References**

Rampakakis,E.,et.al., J. Cell. Biochem. 108 (2), 400-407 (2009)