

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

Application	WB,E
Primary Accession	Q16695
Other Accession	P61830 , P02299 , P08898 , P02302 , P02301 , Q6NXT2 , A5PK61 , Q6PI79 , P84245 , P84246 , Q71LE2 , P84244 , P84243 , P84249 , Q6PI20 , P84247 , Q5E9F8 , Q9U281 , Q10453 , P84233 , P84228 , Q71DI3 , Q4ORF4 , P84229 , P84227 , Q6LED0 , P68433 , P68431 , P68432 , C0HL66 , C0HL67 , Q5TEC6
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

E~~Use at an assay dependent concentration.

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

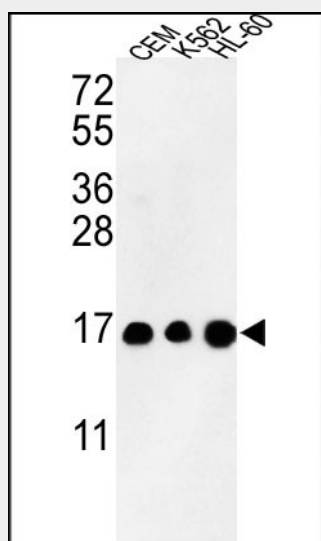
Expressed in testicular cells.

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)