

HIST1H2AB Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17445a**Specification****HIST1H2AB Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	P04908
Other Accession	Q6GM86 , P27661 , P16104 , Q7ZUY3 , A9UMV8 , Q8R1M2 , Q4R3X5 , Q9BTM1 , P70082 , Q3ZBX9 , P02263 , Q4FZT6 , Q8BFU2 , Q7L7L0 , P35062 , P06898 , Q64523 , Q16777 , A1A4R1 , Q64522 , Q8IUE6 , P0CC09 , Q6GSS7 , Q6FI13 , P06897 , P02262 , P22752 , P0C0S8 , P0C0S9 , Q8CGP7 , Q99878 , Q8CGP6
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Xenopus, Chicken, Monkey, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	14135
Antigen Region	11-38

HIST1H2AB Antibody (N-term) - Additional Information**Gene ID** 3012;8335**Other Names**

Histone H2A type 1-B/E, Histone H2A2, Histone H2A/a, Histone H2A/m, HIST1H2AB, H2AFM

Target/Specificity

This HIST1H2AB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 11-38 amino acids from the N-terminal region of human HIST1H2AB.

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

HIST1H2AB Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HIST1H2AB Antibody (N-term) - Protein Information

Name H2AC4 ([HGNC:4734](#))

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

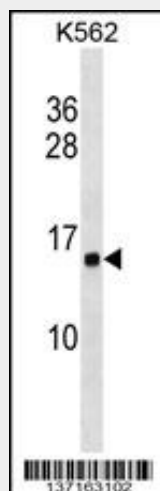
Nucleus. Chromosome.

HIST1H2AB 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](#)

HIST1H2AB Antibody (N-term) - Images



HIST1H2AB Antibody (N-term) (Cat. #AP17445a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the HIST1H2AB antibody detected the HIST1H2AB protein (arrow).

HIST1H2AB Antibody (N-term) - Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 H2A family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

HIST1H2AB Antibody (N-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Bergink, S., et al. Genes Dev. 20(10):1343-1352(2006)
Cao, R., et al. Mol. Cell 20(6):845-854(2005)
Hagiwara, T., et al. Biochemistry 44(15):5827-5834(2005)
Andersen, J.S., et al. Nature 433(7021):77-83(2005)