

HIST2H2AB Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13703a

Specification

HIST2H2AB Antibody (N-term) - Product Information

Application	WB, E
Primary Accession	Q8IU66
Other Accession	P02263 , Q4FZT6 , Q8BFU2 , Q7L7L0 , P35062 , Q64523 , Q16777 , A1A4R1 , Q64522 , P0CC09 , Q6GSS7 , Q6FI13 , P02262 , P22752 , P0C0S8 , P0C0S9 , Q8CGP7 , Q99878 , Q8CGP6 , Q96KK5 , Q64598 , Q8CGP5 , P0C170 , P20671 , P0C169 , Q93077 , P04908 , NP_778235.1 , C0HKE1 , C0HKE2 , C0HKE3 , C0
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	13995
Antigen Region	1-30

HIST2H2AB Antibody (N-term) - Additional Information

Gene ID 317772

Other Names

Histone H2A type 2-B, HIST2H2AB

Target/Specificity

This HIST2H2AB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HIST2H2AB.

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

HIST2H2AB Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HIST2H2AB Antibody (N-term) - Protein Information

Name H2AC21 ([HGNC:20508](#))

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

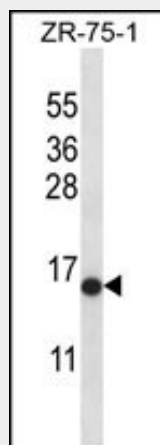
Nucleus. Chromosome.

HIST2H2AB 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](#)

HIST2H2AB Antibody (N-term) - Images



HIST2H2AB Antibody (N-term) (Cat. #AP13703a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the HIST2H2AB antibody detected the HIST2H2AB protein (arrow).

HIST2H2AB Antibody (N-term) - 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 H2A family. Transcripts from this gene contain a palindromic termination element.

HIST2H2AB Antibody (N-term) - References

- 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)
Wang, H., et al. *Nature* 431(7010):873-878(2004)
Aihara, H., et al. *Genes Dev.* 18(8):877-888(2004)