

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

Specification

HIST2H2AB Antibody (N-term) - Product Information

Application **WB,E**
Primary Accession [Q8IUE6](#)
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 Predicted **Human**
Mouse, Rat,
Bovine, Chicken
Host **Rabbit**
Clonality **Polyclonal**
Isotype **Rabbit Ig**
Calculated MW **13995**
Antigen Region **1-30**

HIST2H2AB Antibody (N-term) - Additional Information

Gene ID 317772

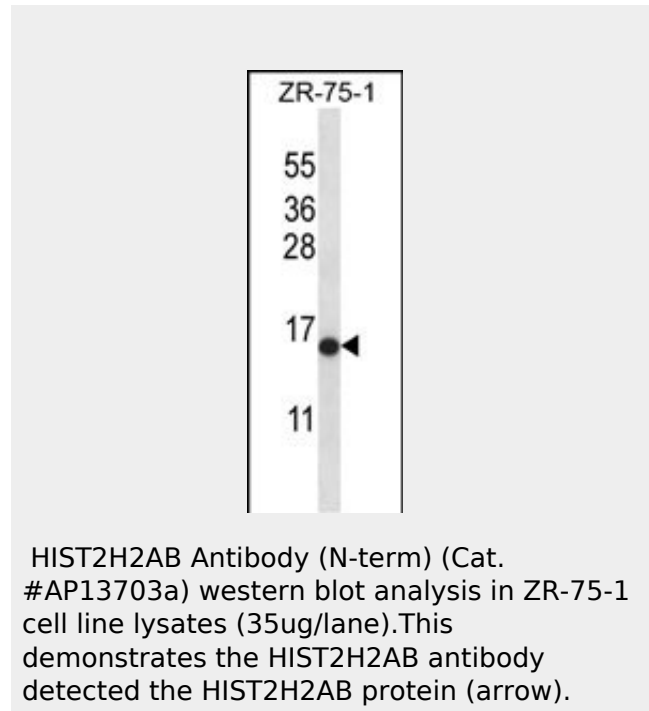
Other Names

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



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

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.

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)

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](#)