

HIST1H2AG Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18575b**Specification**

HIST1H2AG Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P0C0S8
Other Accession	Q4FZT6 , Q8BFU2 , Q7L7L0 , P0CC09 , Q6GSS7 , Q6FI13 , P02262 , P22752 , P0C0S9 , P0C170 , P20671 , P0C169 , Q93077 , P04908 , NP_066408.1 , C0HKE1 , C0HKE2 , C0HKE3 , C0HKE4 , C0HKE5 , C0HKE6 , C0HKE7 , C0HKE8 , C0HKE9
Reactivity	Human
Predicted	Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	14091
Antigen Region	102-130

HIST1H2AG Antibody (C-term) - Additional Information**Gene ID** 8329;8330;8332;8336;8969**Other Names**

Histone H2A type 1, H2A1, Histone H2A/p, HIST1H2AG, H2AFP

Target/Specificity

This HIST1H2AG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 102-130 amino acids from the C-terminal region of human HIST1H2AG.

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

HIST1H2AG Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HIST1H2AG Antibody (C-term) - Protein Information

Name H2AC11 ([HGNC:4737](#))

Synonyms H2AFP, HIST1H2AG

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

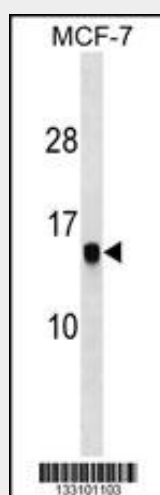
Nucleus. Chromosome.

HIST1H2AG Antibody (C-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](#)

HIST1H2AG Antibody (C-term) - Images



HIST1H2AG Antibody (C-term) (Cat. #AP18575b) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the HIST1H2AG antibody detected the HIST1H2AG protein (arrow).

HIST1H2AG Antibody (C-term) - Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A,

H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the histone microcluster on chromosome 6p21.33. [provided by RefSeq].

HIST1H2AG Antibody (C-term) - References

Shi, J., et al. Nature 460(7256):753-757(2009)
Nicassio, F., et al. Curr. Biol. 17(22):1972-1977(2007)
Lusic, M., et al. EMBO J. 22(24):6550-6561(2003)
Marzluff, W.F., et al. Genomics 80(5):487-498(2002)
Deng, L., et al. Virology 289(2):312-326(2001)