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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

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

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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.

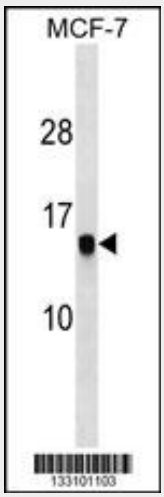
Cellular Location
Nucleus. Chromosome.

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 Cytomety
- 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)