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HIST1H2AA Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12399a

Specification

HIST1H2AA Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q96QV6
Other Accession	NP_734466.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**14234**
Antigen Region	**1-30**

HIST1H2AA Antibody (N-term) - Additional Information

Gene ID 221613

Other Names
Histone H2A type 1-A, Histone H2A/r, HIST1H2AA, H2AFR

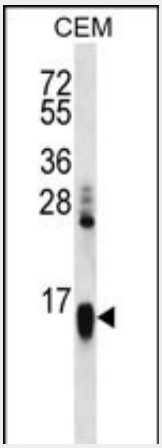
Target/Specificity
This HIST1H2AA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HIST1H2AA.

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
HIST1H2AA Antibody (N-term) is for



HIST1H2AA Antibody (N-term) (Cat. #AP12399a) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the HIST1H2AA antibody detected the HIST1H2AA protein (arrow).

HIST1H2AA 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.

HIST1H2AA Antibody (N-term) - References

research use only and not for use in diagnostic or therapeutic procedures.

HIST1H2AA Antibody (N-term) - Protein Information

Name H2AC1 (HGNC:18729)

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.

HIST1H2AA 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 Cytomety
- Cell Culture

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Bergink, S., et al. Genes Dev. 20(10):1343-1352(2006)
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Hagiwara, T., et al. Biochemistry 44(15):5827-5834(2005)
Wang, H., et al. Nature 431(7010):873-878(2004)