10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

# HIST1H4A Antibody (C-term)

**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP20585c**

## Specification

### HIST1H4A Antibody (C-term) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | P62805 |
| Other Accession | P02309, P62799, P62804, P62802, P62806, Q4R362, P84040, P62801, P62784, P62803 |
| Reactivity | **Human, Mouse, Rat** |
| Predicted | **Bovine, C.Elegans, Chicken, Drosophila, Monkey, Pig, Xenopus, Yeast** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |

### HIST1H4A Antibody (C-term) - Additional Information

**Gene ID** 121504;554313;8294;8359;8360;8361;8362;8363;8364;8365;8366;8367;8368;8370

**Other Names**
Histone H4, HIST1H4A, H4/A, H4FA

**Target/Specificity**
This HIST1H4A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 71-103 amino acids from the C-terminal region of human HIST1H4A.

**Dilution**
WB~~1:2000

**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**
HIST1H4A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### HIST1H4A Antibody (C-term) - Protein Information

**Name** H4C1

**Synonyms** H4/A, H4FA, HIST1H4A

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**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.

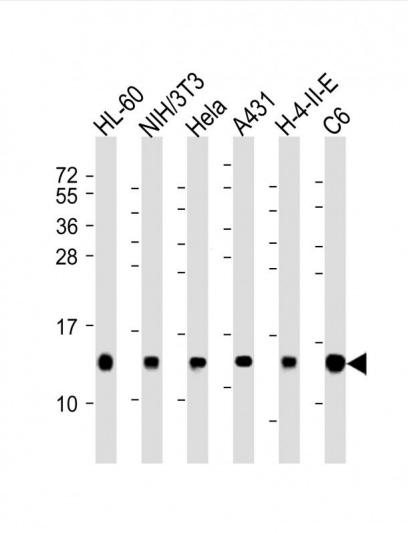
**Cellular Location**
Nucleus. Chromosome.

## HIST1H4A 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

## HIST1H4A Antibody (C-term) - Images




All lanes : Anti-HIST1H4A Antibody (C-term) at 1:2000 dilution Lane 1: HL-60 whole cell lysates Lane 2: NIH/3T3 whole cell lysates Lane 3: Hela whole cell lysates Lane 4: A431 whole cell lysates Lane 5: H-4-II-E whole cell lysates Lane 6: C6 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 11 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

## HIST1H4A Antibody (C-term) - Background

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.

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## HIST1H4A Antibody (C-term) - References

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Pauli U.,et al.Science 236:1308-1311(1987).
Albig W.,et al.Genomics 10:940-948(1991).
Drabent B.,et al.DNA Cell Biol. 14:591-597(1995).
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