

**HIST1H4A Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20585c**

### Specification

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

Application	WB, E
Primary Accession	<a href="#">P62805</a>
Other Accession	<a href="#">P02309</a> , <a href="#">P62799</a> , <a href="#">P62804</a> , <a href="#">P62802</a> , <a href="#">P62806</a> , <a href="#">Q4R362</a> , <a href="#">P84040</a> , <a href="#">P62801</a> , <a href="#">P62784</a> , <a href="#">P62803</a>
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

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

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

**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

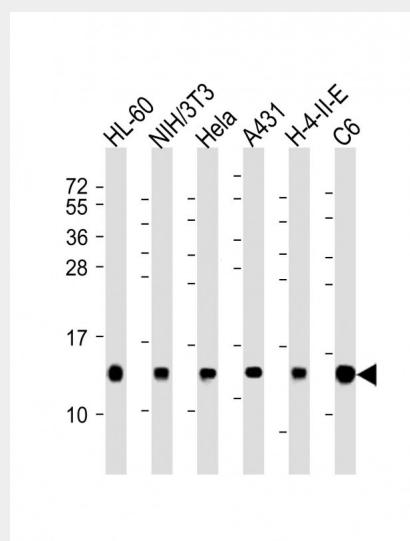
Nucleus {ECO:0000250|UniProtKB:P62806}. Chromosome. Note=Localized to the nucleus when acetylated in step 11 spermatids. {ECO:0000250|UniProtKB:P62806}

## 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 Cytometry](#)
- [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  $\mu$ g 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.

#### **HIST1H4A Antibody (C-term) - References**

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Pauli U.,et al.Science 236:1308-1311(1987).  
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