

**Histone H3 (HIST1H3A) Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22384a**

**Specification**

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**Histone H3 (HIST1H3A) Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">P68431</a>
Other Accession	<a href="#">O16695</a> , <a href="#">P68432</a> , <a href="#">P68433</a> , <a href="#">O6LED0</a> , <a href="#">P84227</a> , <a href="#">P84229</a> , <a href="#">O4ORF4</a> , <a href="#">O71DI3</a> , <a href="#">P84228</a> , <a href="#">P84233</a> , <a href="#">O10453</a> , <a href="#">O9U281</a> , <a href="#">COHL66</a> , <a href="#">COHL67</a> , <a href="#">Q27532</a> , <a href="#">O5E9F8</a> , <a href="#">P84247</a> , <a href="#">O6PI20</a> , <a href="#">P84243</a> , <a href="#">P84244</a> , <a href="#">O71LE2</a> , <a href="#">P84246</a> , <a href="#">P84245</a> , <a href="#">O6PI79</a> , <a href="#">A5PK61</a> , <a href="#">O6NXT2</a> , <a href="#">P02301</a> , <a href="#">P02302</a> , <a href="#">P08898</a> , <a href="#">P02299</a> , <a href="#">P61830</a> , <a href="#">Q5TEC6</a>
Reactivity Predicted	Human, Mouse, Rat Bovine, Chicken, Zebrafish, Xenopus, C.Elegans, Drosophila, Pig, Rabbit, Yeast
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG

**Histone H3 (HIST1H3A) Antibody - Additional Information**

**Gene ID** 8350;8351;8352;8353;8354;8355;8356;8357;8358;8968

**Other Names**

Histone H3.1, Histone H3/a, Histone H3/b, Histone H3/c, Histone H3/d, Histone H3/f, Histone H3/h,  
Histone H3/i, Histone H3/j, Histone H3/k, Histone H3/l, HIST1H3A, H3FA

**Target/Specificity**

This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1~31 amino acids from human.

**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**

Histone H3 (HIST1H3A) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Histone H3 (HIST1H3A) Antibody - Protein Information

Name H3C1 ([HGNC:4766](#))

Synonyms H3FA, HIST1H3A

**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

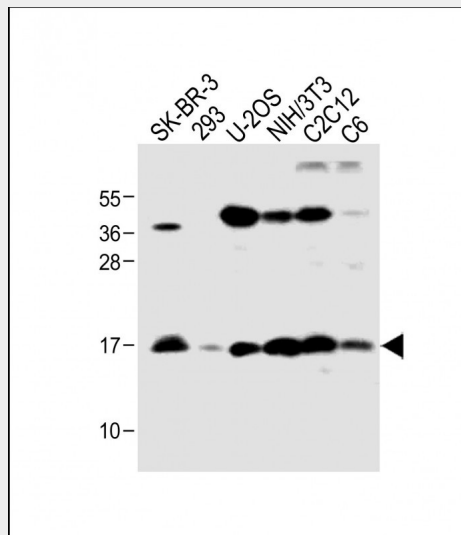
Nucleus. Chromosome.

## Histone H3 (HIST1H3A) Antibody - 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](#)

## Histone H3 (HIST1H3A) Antibody - Images



All lanes : Anti-HIST1H3A at 1:1000 dilution Lane 1: SK-BR-3 whole cell lysate Lane 2: 293 whole cell lysate Lane 3: U-2OS whole cell lysate Lane 4: NIH/3T3 whole cell lysate Lane 5: C2C12 whole cell lysate Lane 6: C6 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 15 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

## Histone H3 (HIST1H3A) Antibody - 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.

### **Histone H3 (HIST1H3A) Antibody - References**

Zhong R., et al. *Nucleic Acids Res.* 11:7409-7425(1983).

Marashi F., et al. *Biochem. Cell Biol.* 64:277-289(1986).

Albig W., et al. *Genomics* 10:940-948(1991).

Kardalidou E., et al. *J. Cell. Biochem.* 52:375-383(1993).

Runge D., et al. Submitted (OCT-1994) to the EMBL/GenBank/DDBJ databases.