

**HIST1H3/2H3/3H3/H3F3 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20341b**

**Specification**

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**HIST1H3/2H3/3H3/H3F3 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P68431</a>
Other Accession	<a href="#">P02299</a> , <a href="#">P08898</a> , <a href="#">P02302</a> , <a href="#">P02301</a> , <a href="#">O6NXT2</a> , <a href="#">O6PI79</a> , <a href="#">P84245</a> , <a href="#">P84246</a> , <a href="#">O71LE2</a> , <a href="#">P84244</a> , <a href="#">P84243</a> , <a href="#">P84249</a> , <a href="#">O6PI20</a> , <a href="#">P84247</a> , <a href="#">O5E9F8</a> , <a href="#">O27489</a> , <a href="#">O27532</a> , <a href="#">O27490</a> , <a href="#">O9U281</a> , <a href="#">Q10453</a> , <a href="#">P84233</a> , <a href="#">P84228</a> , <a href="#">O71DI3</a> , <a href="#">O4ORF4</a> , <a href="#">P84229</a> , <a href="#">P84227</a> , <a href="#">O6LED0</a> , <a href="#">P68433</a> , <a href="#">P68432</a> , <a href="#">C0HL66</a> , <a href="#">C0HL67</a> , <a href="#">Q5TEC6</a>
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Chicken, Zebrafish, Xenopus, C.Elegans, Drosophila, Pig, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	15404
Antigen Region	97-124

**HIST1H3/2H3/3H3/H3F3 Antibody (C-term) - Additional Information**

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

**Other Names**

Histone H31, 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 HIST1H3/2H3/3H3/H3F3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 97-124 amino acids from the C-terminal region of human HIST1H3/2H3/3H3/H3F3.

**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**

HIST1H3/2H3/3H3/H3F3 Antibody (C-term) is for research use only and not for use in diagnostic or

therapeutic procedures.

### HIST1H3/2H3/3H3/H3F3 Antibody (C-term) - 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

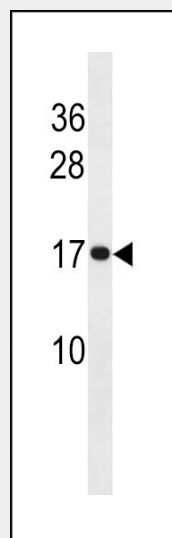
Nucleus. Chromosome.

### HIST1H3/2H3/3H3/H3F3 Antibody (C-term) - Protocols

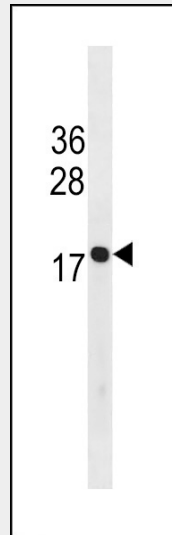
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### HIST1H3/2H3/3H3/H3F3 Antibody (C-term) - Images



HIST1H3/2H3/3H3/H3F3 Antibody (C-term) (Cat. #AP20341b) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the HIST1H3/2H3/3H3/H3F3 antibody detected the HIST1H3/2H3/3H3/H3F3 protein (arrow).



HIST1H3/2H3/3H3/H3F3 Antibody (C-term) (Cat. #AP20341b) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the HIST1H3/2H3/3H3/H3F3 antibody detected the HIST1H3/2H3/3H3/H3F3 protein (arrow).

#### **HIST1H3/2H3/3H3/H3F3 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.

#### **HIST1H3/2H3/3H3/H3F3 Antibody (C-term) - Citations**

- [First proteome study of sporadic flowering in bamboo species \(\*Bambusa vulgaris\* and \*Dendrocalamus manipureanus\*\) reveal the boom is associated with stress and mobile genetic elements.](#)