

**HIST1H2AG Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20584c****Specification**

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**HIST1H2AG Antibody (Center) - Product Information**

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|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application       | WB,E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Primary Accession | <a href="#">P0C0S8</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Other Accession   | <a href="#">P84051</a> , <a href="#">P27661</a> , <a href="#">P16104</a> , <a href="#">Q7ZUY3</a> , <a href="#">A9UMV8</a> ,<br><a href="#">Q8R1M2</a> , <a href="#">Q4R3X5</a> , <a href="#">Q9BTM1</a> , <a href="#">P70082</a> , <a href="#">Q3ZBX9</a> ,<br><a href="#">Q00728</a> , <a href="#">P02263</a> , <a href="#">Q4FZT6</a> , <a href="#">Q8BFU2</a> , <a href="#">Q7L7L0</a> ,<br><a href="#">P35062</a> , <a href="#">P04912</a> , <a href="#">Q64523</a> , <a href="#">Q16777</a> , <a href="#">A1A4R1</a> ,<br><a href="#">Q64522</a> , <a href="#">Q8IUE6</a> , <a href="#">P0CC09</a> , <a href="#">Q6GSS7</a> , <a href="#">Q6FI13</a> ,<br><a href="#">P04911</a> , <a href="#">P06897</a> , <a href="#">P02262</a> , <a href="#">P22752</a> , <a href="#">P0C0S9</a> ,<br><a href="#">Q8CGP7</a> , <a href="#">Q99878</a> |
| Reactivity        | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Predicted         | Rat, Bovine, Xenopus, Yeast, Chicken,<br>Monkey, Zebrafish, Drosophila                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Host              | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality         | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Isotype           | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Calculated MW     | 14091                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**HIST1H2AG Antibody (Center) - Additional Information****Gene ID** 8329;8330;8332;8336;8969**Other Names**

Histone H2A type 1, H2A1, Histone H2A/p, HIST1H2AG, H2AFP

**Target/Specificity**

This HIST1H2AG antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 63-87 amino acids from the Central region of human HIST1H2AG.

**Dilution**

WB~~1:2000

**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**

HIST1H2AG Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**HIST1H2AG Antibody (Center) - Protein Information****Name** H2AC11 ([HGNC:4737](#))

## Synonyms H2AFP, HIST1H2AG

**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

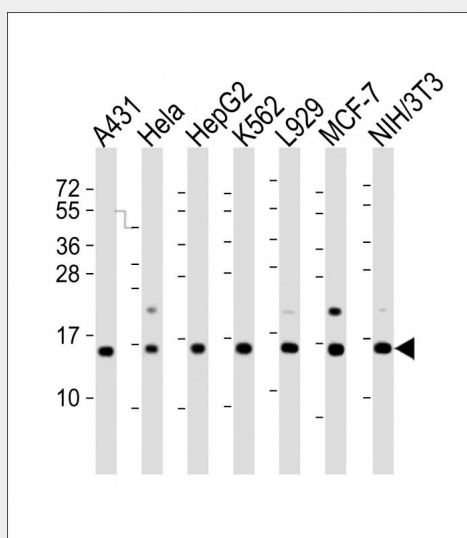
Nucleus. Chromosome.

## HIST1H2AG Antibody (Center) - 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](#)

## HIST1H2AG Antibody (Center) - Images



All lanes : Anti-HIST1H2AG Antibody (Center) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: HeLa whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: K562 whole cell lysate Lane 5: L929 whole cell lysate Lane 6: MCF-7 whole cell lysate Lane 7: NIH/3T3 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 : 14 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

## HIST1H2AG Antibody (Center) - 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.

#### **HIST1H2AG Antibody (Center) - References**

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