

**HIST1H2AG Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
 Catalog # AW5129

**Specification**

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

Application	WB, IHC-P, FC,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> , <a href="#">Q8R1M2</a> , <a href="#">Q4R3X5</a> , <a href="#">Q9BTM1</a> , <a href="#">P70082</a> , <a href="#">Q3ZBX9</a> , <a href="#">Q00728</a> , <a href="#">P02263</a> , <a href="#">Q4FZT6</a> , <a href="#">Q8BFU2</a> , <a href="#">Q7L7L0</a> , <a href="#">P35062</a> , <a href="#">P04912</a> , <a href="#">Q64523</a> , <a href="#">Q16777</a> , <a href="#">A1A4R1</a> , <a href="#">Q64522</a> , <a href="#">Q8IU66</a> , <a href="#">P0CC09</a> , <a href="#">Q6GSS7</a> , <a href="#">Q6FI13</a> , <a href="#">P04911</a> , <a href="#">P06897</a> , <a href="#">P02262</a> , <a href="#">P22752</a> , <a href="#">P0C0S9</a> , <a href="#">Q8CGP7</a> , <a href="#">Q99878</a>
Reactivity Predicted	Human, Mouse Rat, Bovine, Xenopus, Yeast, Chicken, Monkey, Zebrafish, Drosophila
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=14;M=14 KDa
Isotype	Rabbit Ig
Antigen Source	HUMAN

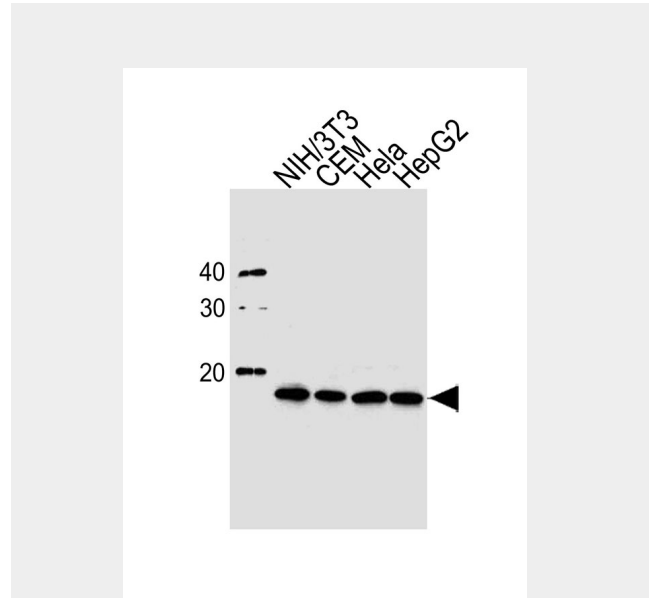
**HIST1H2AG Antibody (Center) - Additional Information**

**Gene ID** 8329;8330;8332;8336;8969

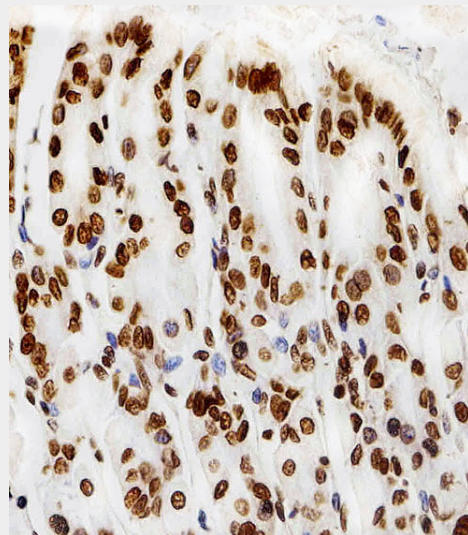
**Antigen Region**  
 63-87

**Other Names**  
 Histone H2A type 1, H2A1, Histone H2A/p,  
 HIST1H2AG, H2AFP

**Dilution**  
 WB~~1:1000



Western blot analysis of lysates from mouse NIH/3T3,CEM,HeLa,HepG2 cell line (from left to right), using HIST1H2AG Antibody (Center)(Cat. #AW5129). AW5129 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.



Immunohistochemical analysis of paraffin-embedded M. stomach section using HIST1H2AG Antibody (Center)(Cat#AW5129). AW5129 was diluted at 1:100 dilution. A

IHC-P~~1:25  
FC~~1:25

### 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.

### 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

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.

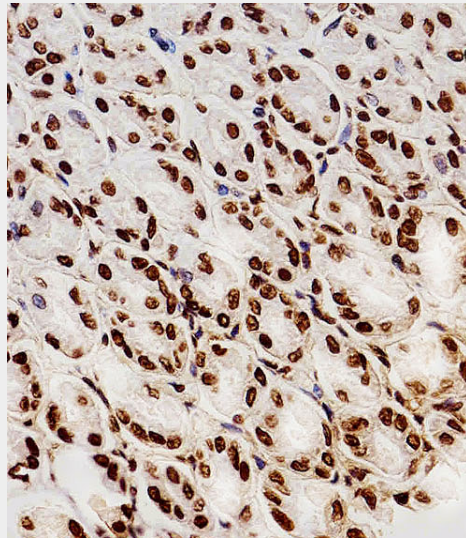
### Cellular Location

Nucleus. Chromosome.

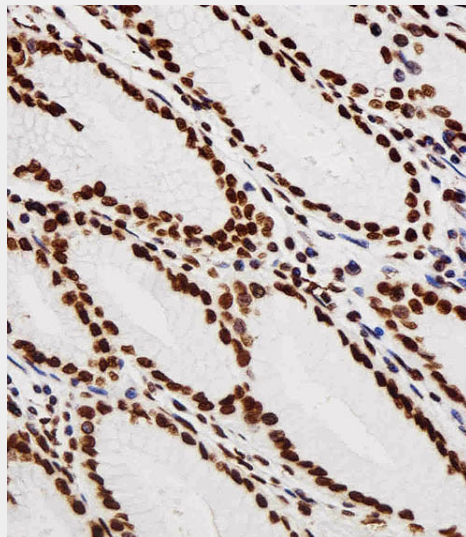
### HIST1H2AG Antibody (Center) - Protocols

Provided below are standard protocols that you

peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



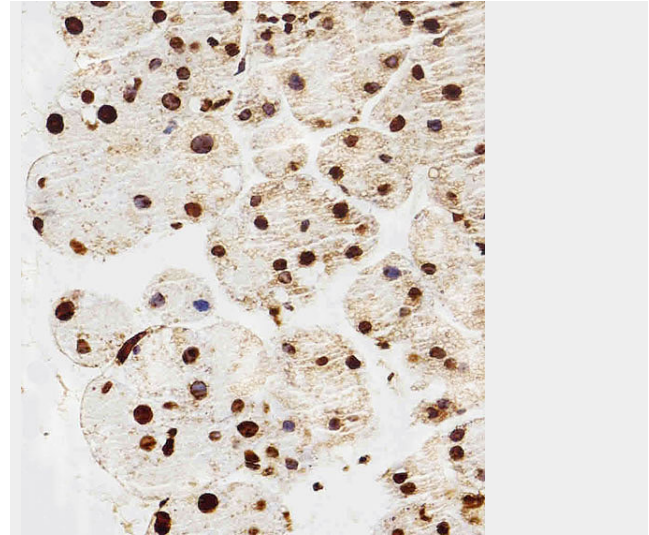
Immunohistochemical analysis of paraffin-embedded R. stomach section using HIST1H2AG Antibody (Center)(Cat#AW5129). AW5129 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



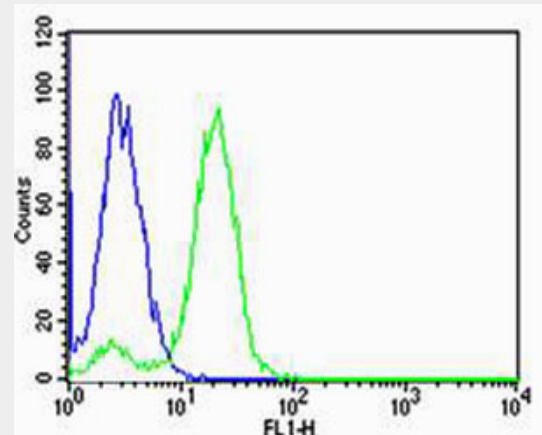
Immunohistochemical analysis of paraffin-embedded M. stomach section using H. stomach Antibody (Center)(Cat#AW5129). AW5129 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

may find useful for product applications.

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



Immunohistochemical analysis of paraffin-embedded M. pancreas section using HIST1H2AG Antibody (Center)(Cat#AW5129). AW5129 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Flow cytometric analysis of HeLa cells using HIST1H2AG Antibody (Center)(green, Cat#AW5129) compared to an isotype control of rabbit IgG(blue). AW5129 was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

### **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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