

**HIST1H2BG Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12303a**

**Specification**

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**HIST1H2BG Antibody (N-term) - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">P62807</a>
Other Accession	<a href="#">P57053</a> , <a href="#">Q9PSW9</a> , <a href="#">POC1H5</a> , <a href="#">POC1H4</a> , <a href="#">Q6PC60</a> , <a href="#">O16778</a> , <a href="#">POC1H3</a> , <a href="#">P62808</a> , <a href="#">O8CGP1</a> , <a href="#">Q2PFX4</a> , <a href="#">O60814</a> , <a href="#">Q2M2T1</a> , <a href="#">P06899</a> , <a href="#">Q64478</a> , <a href="#">P10853</a> , <a href="#">O6ZWY9</a> , <a href="#">P06900</a> , <a href="#">P02281</a> , <a href="#">NP_003513.1</a> , <a href="#">NP_003509.1</a> , <a href="#">NP_003516.1</a> , <a href="#">NP_003517.2</a> , <a href="#">NP_003514.2</a>
Reactivity	<b>Human, Zebrafish</b>
Predicted	<b>Xenopus, Mouse, Bovine, Monkey, Chicken</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>13906</b>
Antigen Region	<b>1-30</b>

**HIST1H2BG Antibody (N-term) - Additional Information**

**Gene ID** 3017;8339;8343;8344;8346;8347

**Other Names**

Histone H2B type 1-C/E/F/G/I, Histone H2B1 A, Histone H2Ba, H2B/a, Histone H2Bg, H2B/g, Histone H2Bh, H2B/h, Histone H2Bk, H2B/k, Histone H2Bl, H2B/l, HIST1H2BC, H2BFL

**Target/Specificity**

This HIST1H2BG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HIST1H2BG.

**Dilution**

WB~~1:500

**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**

HIST1H2BG Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## HIST1H2BG Antibody (N-term) - Protein Information

**Name** H2BC4 ([HGNC:4757](#))

**Synonyms** H2BFL, HIST1H2BC

**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

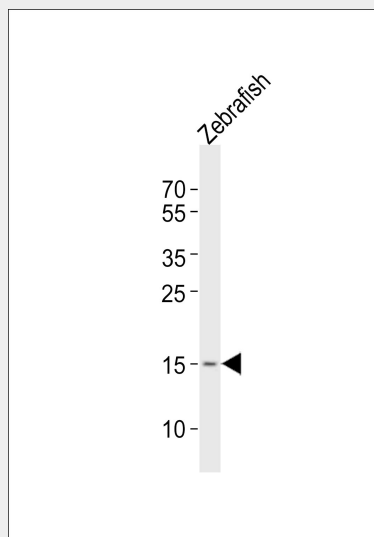
Nucleus. Chromosome.

## HIST1H2BG Antibody (N-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](#)

## HIST1H2BG Antibody (N-term) - Images



Anti-HIST1H2BG Antibody (N-term) at 1:500 dilution + Zebrafish lysates. 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% NFD/MTBST.

## HIST1H2BG Antibody (N-term) - Background

Histones are basic nuclear proteins that are responsible

for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H2B family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6. [provided by RefSeq].

#### **HIST1H2BG Antibody (N-term) - References**

Kim, S.C., et al. Mol. Cell 23(4):607-618(2006)  
Beck, H.C., et al. Mol. Cell Proteomics 5(7):1314-1325(2006)  
Pavri, R., et al. Cell 125(4):703-717(2006)  
Bonenfant, D., et al. Mol. Cell Proteomics 5(3):541-552(2006)  
Zhu, B., et al. Mol. Cell 20(4):601-611(2005)