

**HIST1H2BC/HIST1H2BF Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12846a****Specification****HIST1H2BC/HIST1H2BF Antibody (N-term) - Product Information**

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application       | WB,E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Primary Accession | <a href="#">P62807</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Other Accession   | <a href="#">P57053</a> , <a href="#">Q9PSW9</a> , <a href="#">P0C1H5</a> , <a href="#">P0C1H4</a> , <a href="#">Q6PC60</a> ,<br><a href="#">Q16778</a> , <a href="#">P0C1H3</a> , <a href="#">P62808</a> , <a href="#">Q8CGP1</a> , <a href="#">Q2PFX4</a> ,<br><a href="#">Q60814</a> , <a href="#">Q2M2T1</a> , <a href="#">P06899</a> , <a href="#">Q64478</a> , <a href="#">P10853</a> ,<br><a href="#">Q6ZWY9</a> , <a href="#">P06900</a> , <a href="#">P02281</a> , <a href="#">NP_003517.2</a> ,<br><a href="#">NP_003509.1</a> , <a href="#">NP_003514.2</a> , <a href="#">NP_003513.1</a> ,<br><a href="#">NP_003516.1</a> |
| Reactivity        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Predicted         | Xenopus, Mouse, Bovine, Monkey, Chicken,<br>Zebrafish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Host              | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Clonality         | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype           | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Calculated MW     | 13906                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Antigen Region    | 1-30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

**HIST1H2BC/HIST1H2BF 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 HIST1H2BC/HIST1H2BF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HIST1H2BC/HIST1H2BF.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**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**

HIST1H2BC/HIST1H2BF Antibody (N-term) is for research use only and not for use in diagnostic or

therapeutic procedures.

## HIST1H2BC/HIST1H2BF 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

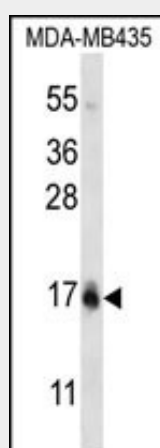
Nucleus. Chromosome.

## HIST1H2BC/HIST1H2BF 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](#)

## HIST1H2BC/HIST1H2BF Antibody (N-term) - Images



HIST1H2BC/HIST1H2BF Antibody (N-term) (Cat. #AP12846a) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the HIST1H2BC/HIST1H2BF antibody detected the HIST1H2BC/HIST1H2BF protein (arrow).

## HIST1H2BC/HIST1H2BF Antibody (N-term) - Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H2B family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

#### **HIST1H2BC/HIST1H2BF 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)  
Siuti, N., et al. J. Proteome Res. 5(2):233-239(2006)