

**HIST1H2BJ/HIST1H2BK/HIST3H2BB Antibody(C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19790b****Specification**

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**HIST1H2BJ/HIST1H2BK/HIST3H2BB Antibody(C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P06899</a>
Other Accession	<a href="#">P57053</a> , <a href="#">Q64524</a> , <a href="#">Q8CGP1</a> , <a href="#">Q2PFX4</a> , <a href="#">O60814</a> , <a href="#">Q2M2T1</a> , <a href="#">P06900</a> , <a href="#">P02281</a> , <a href="#">NP_066402.2</a>
Reactivity	Human
Predicted	Xenopus, Bovine, Monkey, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	13904
Antigen Region	98-126

**HIST1H2BJ/HIST1H2BK/HIST3H2BB Antibody(C-term) - Additional Information****Gene ID** 8970**Other Names**

Histone H2B type 1-J, Histone H2B1, Histone H2Br, H2B/r, HIST1H2BJ, H2BFR

**Target/Specificity**

This HIST1H2BJ/HIST1H2BK/HIST3H2BB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-126 amino acids from the C-terminal region of human HIST1H2BJ/HIST1H2BK/HIST3H2BB.

**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**

HIST1H2BJ/HIST1H2BK/HIST3H2BB Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HIST1H2BJ/HIST1H2BK/HIST3H2BB Antibody(C-term) - Protein Information****Name** H2BC11 ([HGNC:4761](#))

**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**

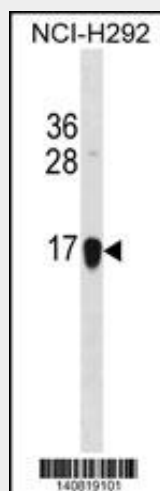
Nucleus. Chromosome.

### **HIST1H2BJ/HIST1H2BK/HIST3H2BB 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](#)

### **HIST1H2BJ/HIST1H2BK/HIST3H2BB Antibody(C-term) - Images**



HIST1H2BJ/HIST1H2BK/HIST3H2BB Antibody (C-term) (Cat. #AP19790b) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the HIST1H2BJ/HIST1H2BK/HIST3H2BB antibody detected the HIST1H2BJ/HIST1H2BK/HIST3H2BB protein (arrow).

### **HIST1H2BJ/HIST1H2BK/HIST3H2BB Antibody(C-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 histone microcluster on chromosome 6p21.33. [provided by RefSeq].

#### **HIST1H2BJ/HIST1H2BK/HIST3H2BB Antibody(C-term) - References**

Shi, J., et al. Nature 460(7256):753-757(2009)  
Benyamin, B., et al. Am. J. Hum. Genet. 84(1):60-65(2009)  
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)

#### **HIST1H2BJ/HIST1H2BK/HIST3H2BB Antibody(C-term) - Citations**

- [Mass spectrometry-based proteomic analysis reveals the interacting partners of lipin1.](#)