

**HIST1H3B3-S10 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20798b****Specification**

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**HIST1H3B3-S10 Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">P68431</a>
Other Accession	<a href="#">Q6LED0</a> , <a href="#">P68433</a> , <a href="#">P68432</a>
Reactivity	Mouse
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	15404

**HIST1H3B3-S10 Antibody - Additional Information**

**Gene ID** 8350;8351;8352;8353;8354;8355;8356;8357;8358;8968

**Other Names**

Histone H31, Histone H3/a, Histone H3/b, Histone H3/c, Histone H3/d, Histone H3/f, Histone H3/h, Histone H3/i, Histone H3/j, Histone H3/k, Histone H3/l, HIST1H3A, H3FA

**Target/Specificity**

This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 8~39 amino acids from human.

**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**

HIST1H3B3-S10 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**HIST1H3B3-S10 Antibody - Protein Information**

**Name** H3C1 ([HGNC:4766](#))

**Synonyms** H3FA, HIST1H3A

**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**

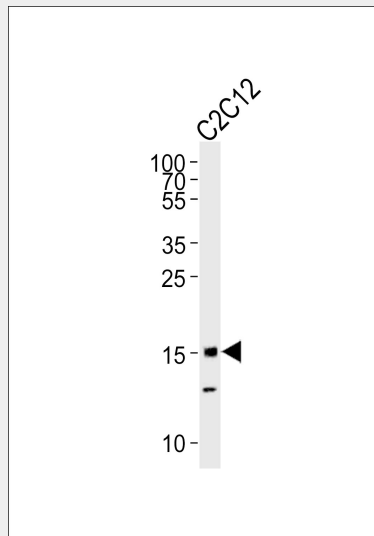
Nucleus. Chromosome.

**HIST1H3B3-S10 Antibody - 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](#)

**HIST1H3B3-S10 Antibody - Images**



Western blot analysis of lysate from mouse C2C12 cell line, using Phospho-HIST1H3B3-S10. ctrl(Cat. #AP20798b). AP20798b was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 35ug.

**HIST1H3B3-S10 Antibody - 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.

**HIST1H3B3-S10 Antibody - References**

Zhong R.,et al.Nucleic Acids Res. 11:7409-7425(1983).  
Marashi F.,et al.Biochem. Cell Biol. 64:277-289(1986).  
Albig W.,et al.Genomics 10:940-948(1991).  
Kardalidou E.,et al.J. Cell. Biochem. 52:375-383(1993).  
Runge D.,et al.Submitted (OCT-1994) to the EMBL/GenBank/DDBJ databases.