

**HIST1H2BM Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5002**

**Specification**

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**HIST1H2BM Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q99879</a>
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	H=14;M=14 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**HIST1H2BM Antibody (N-term) - Additional Information**

**Gene ID** 8342

**Antigen Region**  
10-44

**Other Names**  
Histone H2B type 1-M, Histone H2Be, H2B/e, HIST1H2BM, H2BFE

**Dilution**  
WB~~1:2000

**Target/Specificity**  
This HIST1H2BM antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 10-44 amino acids from the N-terminal region of human HIST1H2BM.

**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**  
HIST1H2BM Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HIST1H2BM Antibody (N-term) - Protein Information**

**Name** H2BC14 ([HGNC:4750](#))

### 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

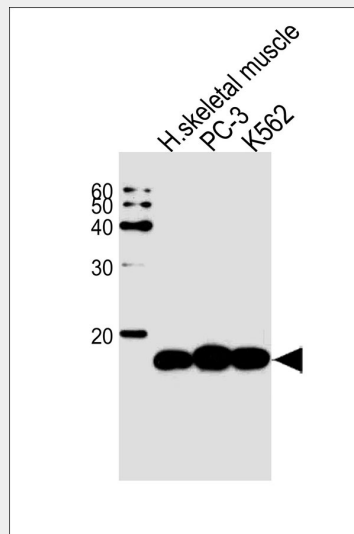
Nucleus. Chromosome.

### HIST1H2BM Antibody (N-term) - Protocols

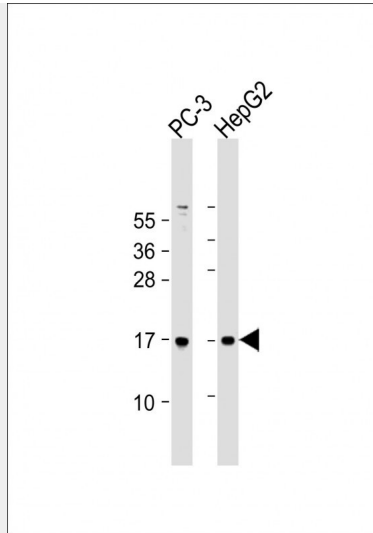
Provided below are standard protocols that you may find useful for product applications.

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

### HIST1H2BM Antibody (N-term) - Images



Western blot analysis of lysates from human skeletal muscle tissue and PC-3, K562 cell line (from left to right), using HIST1H2BM Antibody (N-term)(Cat. #AW5002). AW5002 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.



All lanes : Anti-HIST1H2BM Antibody (N-term) at 1:2000 dilution Lane 1: PC-3 whole cell lysate  
Lane 2: HepG2 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.

#### **HIST1H2BM Antibody (N-term) - 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.

#### **HIST1H2BM Antibody (N-term) - References**

Albig W.,et al.Hum. Genet. 101:284-294(1997).  
Marzluff W.F.,et al.Genomics 80:487-498(2002).  
Mungall A.J.,et al.Nature 425:805-811(2003).  
Lubec G.,et al.Submitted (MAR-2007) to UniProtKB.  
Cheung W.L.,et al.Cell 113:507-517(2003).