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HIST1H2BM Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5002

Specification

HIST1H2BM Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q99879
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.

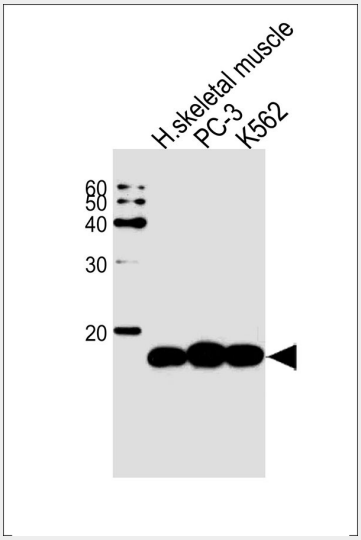
Cellular Location
Nucleus. Chromosome.

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 Cytomety
- 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.

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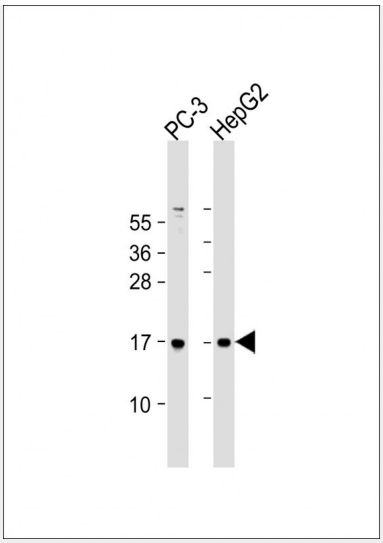

All lanes : Anti-HIST1H2BM Antibody (N-term) at 1:2000 dilution Lane 1: PC-3 whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5%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

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