

HIST1H2BM Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20679a

Product Information

Application	WB, E
Primary Accession	Q99879
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB49960
Calculated MW	13989

Additional Information

Gene ID	8342
Other Names	Histone H2B type 1-M, Histone H2Be, H2B/e, HIST1H2BM, H2BFE
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.
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	HIST1H2BM Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

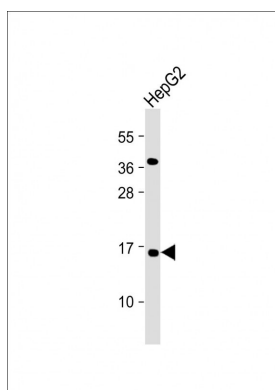
Background

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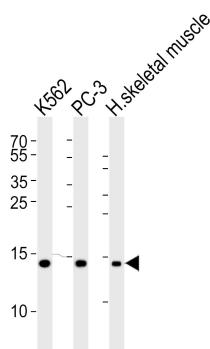
References

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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).

Images



Anti-HIST1H2BM Antibody (N-term) at 1:2000 dilution + 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.



Western blot analysis of lysates from K562, PC-3 cell line and human skeletal muscle tissue lysate(from left to right), using HIST1H2BM Antibody (N-term)(Cat. #AP20679a). AP20679a 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. Lysates at 35ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.