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HIST1H2BM Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20687c

Product Information

Application	WB, E
Primary Accession	Q99879
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB50083
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 44-78 amino acids from the Central 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 (Center) 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.

Cellular Location Nucleus. Chromosome.

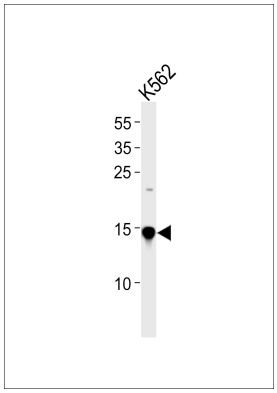
Background

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.

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



Western blot analysis of lysate from K562 cell line, using HIST1H2BM Antibody (Center)(Cat. #AP20687c). AP20687c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

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