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HIST1H2BM Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5461

Product Information

Application	WB
Primary Accession	Q99879
Other Accession	P02283, P57053, Q9PSW9, P0C1H5, P0C1H4, Q6PC60, Q8CGP0, Q8N257, Q9D2U9, Q5QNW6, Q64524, Q16778, Q64525, Q00715, Q5BJA5, P0C1H3, P62808, Q8CGP2, P23527, Q99877, Q32L48, P10854, Q99880, Q8CGP1, O60814, Q2M2T1, P06899, Q64478, Q93079, P10853, P58876, Q6ZWY9
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13989
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	8342
Antigen Region	44-78
Other Names	Histone H2B type 1-M, Histone H2Be, H2B/e, HIST1H2BM, H2BFE
Dilution	WB~~1:1000
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.
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).
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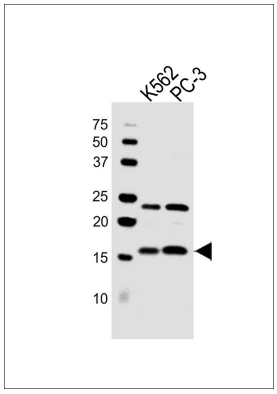
Cheung W.L.,et al.Cell 113:507-517(2003).

Images



All lanes : Anti-HIST1H2BM Antibody (Center) at 1:1000 dilution Lane 1: K562 whole cell lysates Lane 2: PC-3 whole cell lysates 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.