

HIST1H2BM Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AW5461

Product Information

Application WB Primary Accession Q99879

Other Accession P02283, P57053, O9PSW9, P0C1H5, P0C1H4, O6PC60, O8CGP0, O8N257,

Q9D2U9, Q5QNW6, Q64524, Q16778, Q64525, Q00715, Q5BJA5, P0C1H3, P62808, Q8CGP2, P23527, Q99877, Q32L48, P10854, Q99880, Q8CGP1, Q60814, 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 (<u>HGNC:4750</u>)

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.

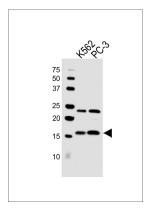
Background

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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).

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.

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