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# HIST1H2BM Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5461

## Product Information

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| **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

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| **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

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| **Name** | H2BC14 ( HGNC:4750) |

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| **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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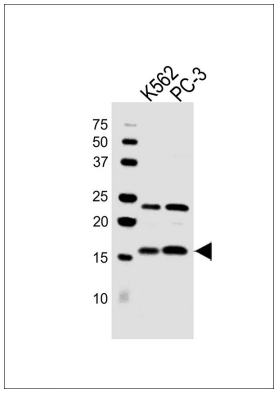
Marzluff W.F.,et al.Genomics 80:487-498(2002).
Mungall A.J.,et al.Nature 425:805-811(2003).
Lubec G.,et al.Submitted (MAR-2007) to UniProtKB.
Cheung W.L.,et al.Cell 113:507-517(2003).


## Images




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'.