

Rabbit HIST1H2BM Polyclonal Antibody | anti-HIST1H2BM antibody

HIST1H2BM Antibody (N-term)

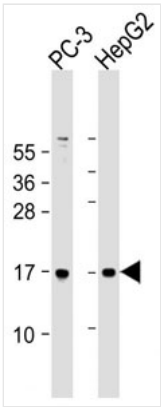
CATALOG # AAA290934	HOST Rabbit	REACTIVITY HumanPredicted: Mouse	APPLICATIONS ELISA, Western Blot
-------------------------------	-----------------------	--	--

PRODUCT SYNONYMS

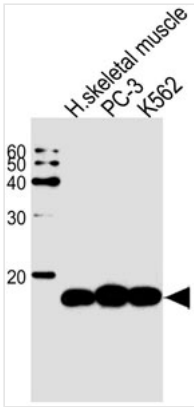
HIST1H2BM; Polyclonal Antibody; HIST1H2BM Antibody (N-term); Histone H2B type 1-M; Histone H2Be; H2B/e; H2BFE; anti-HIST1H2BM antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted: Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
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.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	126
Applicable Applications for anti-HIST1H2BM antibody	ELISA, WB (Western Blot)
Cellular Location	Nucleus. Chromosome.
Antigen Region	10-44
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
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
All lanes : Anti-HIST1H2BM Antibody (N-term) at 1:2000 dilution
Lane 1: PC-3 whole cell lysate
Lane 2: HepG2 whole cell lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 14 kDa
Blocking/Dilution buffer: 5% NFD/MTBST.



WB (Western Blot)
Western blot analysis of lysates from human skeletal muscle tissue and PC-3, K562 cell line (from left to right), using HIST1H2BM Antibody (N-term). It 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.

ADDITIONAL INFORMATION

Related Product Information for anti-HIST1H2BM antibody	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	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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	7387742
NCBI GeneID	8342
UniProt Accession #	Q99879
Molecular Weight	H: 14kDa; M: 14 kDa
NCBI Official Full Name	Histone H2B type 1-M
NCBI Official Synonym Full Names	H2B clustered histone 14
NCBI Official Symbol	H2BC14
NCBI Official Synonym Symbols	H2B/e; H2BFE; HIST1H2BM; dJ160A22.3
NCBI Protein Information	histone H2B type 1-M
UniProt Protein Name	Histone H2B type 1-M
UniProt Gene Name	HIST1H2BM
UniProt Synonym Gene Names	H2BFE; H2B/e
UniProt Entry Name	H2B1M_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.