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HIST1H2BB/HIST1H2BE Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16190A

Specification

HIST1H2BB/HIST1H2BE Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P33778
Other Accession	P57053, Q8CGP0, Q8N257, Q64524, Q16778, Q6DRA6, Q6DN03, Q00715, P62808, Q8CGP2, P23527, Q99877, Q32L48, P10854, Q99880, Q8CGP1, Q2PFX4, O60814, P06899, Q93079, P10853, P58876, Q6ZWY9, P62807, NP_066406.1
Reactivity	**Human**
Predicted	**Mouse, Monkey, Bovine, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**13950**
Antigen Region	**1-30**

HIST1H2BB/HIST1H2BE Antibody (N-term) - Additional Information

Gene ID 3018

Other Names
Histone H2B type 1-B, Histone H2B1, Histone H2Bf, H2B/f, HIST1H2BB, H2BFF

Target/Specificity
This HIST1H2BB/HIST1H2BE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HIST1H2BB/HIST1H2BE.

Dilution
WB~~1:1000

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
HIST1H2BB/HIST1H2BE Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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HIST1H2BB/HIST1H2BE Antibody (N-term) - Protein Information

Name H2BC3 (HGNC:4751)

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.

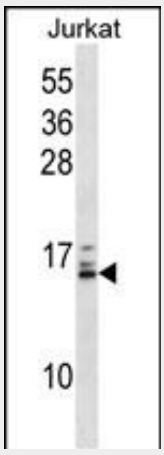
Cellular Location
Nucleus. Chromosome.

HIST1H2BB/HIST1H2BE Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HIST1H2BB/HIST1H2BE Antibody (N-term) - Images



HIST1H2BB/HIST1H2BE Antibody (N-term) (Cat. #AP16190a) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the HIST1H2BB/HIST1H2BE antibody detected the HIST1H2BB/HIST1H2BE protein (arrow).

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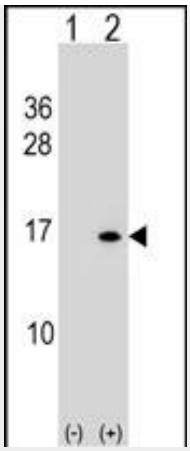

Western blot analysis of HIST1H2BB/HIST1H2BE (arrow) using rabbit polyclonal HIST1H2BB/HIST1H2BE Antibody (N-term) (Cat. #AP16190a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HIST1H2BB/HIST1H2BE gene.

HIST1H2BB/HIST1H2BE Antibody (N-term) - Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H2B family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

HIST1H2BB/HIST1H2BE Antibody (N-term) - References

Kim, S.C., et al. Mol. Cell 23(4):607-618(2006)
Pavri, R., et al. Cell 125(4):703-717(2006)
Bonenfant, D., et al. Mol. Cell Proteomics 5(3):541-552(2006)
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Golebiowski, F., et al. Mol. Cell. Biochem. 279 (1-2), 133-139 (2005) :