

HIST1H2BD Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16578A**Specification**

HIST1H2BD Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P58876
Other Accession	P57053 , Q8CGP0 , Q8N257 , Q64524 , Q16778 , Q6DRA6 , Q6DN03 , Q00715 , P62808 , Q8CGP2 , P23527 , Q99877 , Q32L48 , P10854 , Q99880 , Q8CGP1 , Q2PFX4 , Q60814 , P06899 , Q93079 , P10853 , Q6ZWY9 , P62807 , NP_619790.1 , NP_066407.1
Reactivity	Human
Predicted	Mouse, Monkey, Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	13936
Antigen Region	1-30

HIST1H2BD Antibody (N-term) - Additional Information**Gene ID** 3017**Other Names**

Histone H2B type 1-D, HIRA-interacting protein 2, Histone H2B1 B, Histone H2Bb, H2B/b, HIST1H2BD, H2BFB, HIRIP2

Target/Specificity

This HIST1H2BD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HIST1H2BD.

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

HIST1H2BD Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HIST1H2BD Antibody (N-term) - Protein Information

Name H2BC5 ([HGNC:4747](#))

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

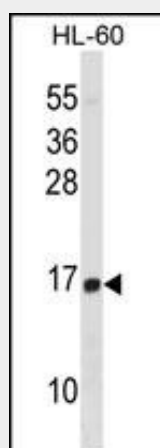
Nucleus. Chromosome.

HIST1H2BD 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 Cytometry](#)
- [Cell Culture](#)

HIST1H2BD Antibody (N-term) - Images



HIST1H2BD Antibody (N-term) (Cat. #AP16578a) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the HIST1H2BD antibody detected the HIST1H2BD protein (arrow).

HIST1H2BD 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. Two transcripts that encode the same protein have been identified for this gene, which is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq].

HIST1H2BD Antibody (N-term) - References

Kim, S.C., et al. Mol. Cell 23(4):607-618(2006)
Beck, H.C., et al. Mol. Cell Proteomics 5(7):1314-1325(2006)
Pavri, R., et al. Cell 125(4):703-717(2006)
Bonenfant, D., et al. Mol. Cell Proteomics 5(3):541-552(2006)
Siuti, N., et al. J. Proteome Res. 5(2):233-239(2006)