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HIST2H2BE Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19977a

Specification

HIST2H2BE Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q16778
Other Accession	Q64524, Q6DRA6, Q6DN03, P23527, P06899, P33778, NP_003519.1
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**13920**
Antigen Region	**12-40**

HIST2H2BE Antibody (N-term) - Additional Information

Gene ID 8349

Other Names
Histone H2B type 2-E, Histone H2B-GL105, Histone H2Bq, H2B/q, HIST2H2BE, H2BFQ

Target/Specificity
This HIST2H2BE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-40 amino acids from the N-terminal region of human HIST2H2BE.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

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
HIST2H2BE Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HIST2H2BE Antibody (N-term) - Protein Information

Name H2BC21 (HGNC:4760)

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.

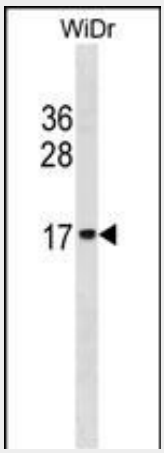
Cellular Location
Nucleus. Chromosome.

HIST2H2BE 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

HIST2H2BE Antibody (N-term) - Images



HIST2H2BE Antibody (N-term) (Cat. #AP19977a) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the HIST2H2BE antibody detected the HIST2H2BE protein (arrow).

HIST2H2BE Antibody (N-term) - Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a member of the histone H2B family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif.

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HIST2H2BE Antibody (N-term) - References

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Pankratova, E.V., et al. Mol. Biol. (Mosk.) 43(2):368-373(2009)
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