10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HIST1H2BO/HIST1H2BH Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12711a

Specification

HIST1H2BO/HIST1H2BH Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P23527
Other Accession	Q5QNW6, Q64525, Q93079, NP_003518.2
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**13906**
Antigen Region	**1-30**

HIST1H2BO/HIST1H2BH Antibody (N-term) - Additional Information

Gene ID 8348

Other Names
Histone H2B type 1-O, Histone H2B2, Histone H2Bn, H2B/n, HIST1H2BO, H2BFH, H2BFN

Target/Specificity
This HIST1H2BO/HIST1H2BH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HIST1H2BO/HIST1H2BH.

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
HIST1H2BO/HIST1H2BH Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HIST1H2BO/HIST1H2BH Antibody (N-term) - Protein Information

Name H2BC17 (HGNC:4758)

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.

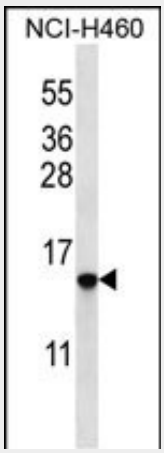
Cellular Location
Nucleus. Chromosome.

HIST1H2BO/HIST1H2BH 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

HIST1H2BO/HIST1H2BH Antibody (N-term) - Images



HIST1H2BO/HIST1H2BH Antibody (N-term) (Cat. #AP12711a) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the HIST1H2BO/HIST1H2BH antibody detected the HIST1H2BO/HIST1H2BH protein (arrow).

HIST1H2BO/HIST1H2BH 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 is intronless and encodes a member of the histone H2B family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is

found in the small histone gene cluster on chromosome 6p22-p21.3.

HIST1H2BO/HIST1H2BH 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)
Zhu, B., et al. Mol. Cell 20(4):601-611(2005)