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HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18559c

Specification

HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q93079
Other Accession	P57053, Q9PSW9, P0C1H5, P0C1H4, Q6PC60, Q8CGP0, Q8N257, Q9D2U9, Q5QNW6, Q64524, Q16778, Q64525, Q00715, Q5BJA5, P0C1H3, P62808, Q8CGP2, P23527, Q99877, Q32L48, P10854, Q99879, Q99880, Q8CGP1, O60814, Q2M2T1, P06899, Q64478, P10853, P58876, Q6ZWY9, P62807
Reactivity	**Human**
Predicted	**Xenopus, Mouse, Bovine, Chicken, Zebrafish, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**13892**
Antigen Region	**26-52**

HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) - Additional Information

Gene ID 8345

Other Names
Histone H2B type 1-H, Histone H2Bj, H2B/j, HIST1H2BH, H2BFJ

Target/Specificity
This HIST1H2BH/HIST1H2BK/HIST3H2BB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 26-52 amino acids from the Central region of human HIST1H2BH/HIST1H2BK/HIST3H2BB.

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
HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) is for research use only and not for use in

diagnostic or therapeutic procedures.

HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) - Protein Information

Name H2BC9 (HGNC:4755)

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.

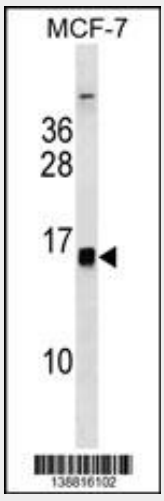
Cellular Location
Nucleus. Chromosome.

HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) - 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

HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) - Images



HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) (Cat. #AP18559c) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the HIST1H2BH/HIST1H2BK/HIST3H2BB antibody detected the HIST1H2BH/HIST1H2BK/HIST3H2BB protein (arrow).

HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) - 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 large histone gene cluster on chromosome 6. [provided by RefSeq].

HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) - 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)