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

HIST1H2BC/HIST1H2BF Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12846a

Specification

HIST1H2BC/HIST1H2BF Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P62807
Other Accession	P57053, Q9PSW9, P0C1H5, P0C1H4, Q6PC60, Q16778, P0C1H3, P62808, Q8CGP1, Q2PFX4, O60814, Q2M2T1, P06899, Q64478, P10853, Q6ZWY9, P06900, P02281, NP_003517.2, NP_003509.1, NP_003514.2, NP_003513.1, NP_003516.1
Reactivity	**Human**
Predicted	**Xenopus, Mouse, Bovine, Monkey, Chicken, Zebrafish**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**13906**
Antigen Region	**1-30**

HIST1H2BC/HIST1H2BF Antibody (N-term) - Additional Information

Gene ID 3017;8339;8343;8344;8346;8347

Other Names
Histone H2B type 1-C/E/F/G/I, Histone H2B1 A, Histone H2Ba, H2B/a, Histone H2Bg, H2B/g, Histone H2Bh, H2B/h, Histone H2Bk, H2B/k, Histone H2Bl, H2B/l, HIST1H2BC, H2BFL

Target/Specificity
This HIST1H2BC/HIST1H2BF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HIST1H2BC/HIST1H2BF.

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
HIST1H2BC/HIST1H2BF Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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HIST1H2BC/HIST1H2BF Antibody (N-term) - Protein Information

Name H2BC4 (HGNC:4757)

Synonyms H2BFL, HIST1H2BC

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.

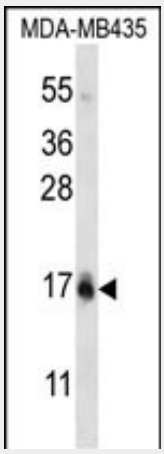
Cellular Location
Nucleus. Chromosome.

HIST1H2BC/HIST1H2BF 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

HIST1H2BC/HIST1H2BF Antibody (N-term) - Images



HIST1H2BC/HIST1H2BF Antibody (N-term) (Cat. #AP12846a) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the HIST1H2BC/HIST1H2BF antibody detected the HIST1H2BC/HIST1H2BF protein (arrow).

HIST1H2BC/HIST1H2BF 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.

HIST1H2BC/HIST1H2BF 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)