

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 , Q60814 , 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.

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

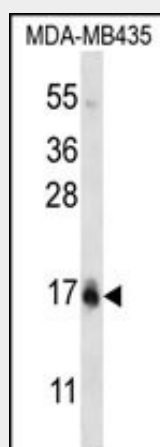
Nucleus. Chromosome.

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 Cytometry](#)
- [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)