

HIST1H3/2H3/3H3/H3F3 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20341b

Specification

HIST1H3/2H3/3H3/H3F3 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P68431
Other Accession	P02299 , P08898 , P02302 , P02301 , O6NXT2 , O6PI79 , P84245 , P84246 , O71LE2 , P84244 , P84243 , P84249 , O6PI20 , P84247 , O5E9F8 , O27489 , O27532 , O27490 , O9U281 , Q10453 , P84233 , P84228 , O71DI3 , O4ORF4 , P84229 , P84227 , O6LED0 , P68433 , P68432 , C0HL66 , C0HL67 , Q5TEC6
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Chicken, Zebrafish, Xenopus, C.Elegans, Drosophila, Pig, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	15404
Antigen Region	97-124

HIST1H3/2H3/3H3/H3F3 Antibody (C-term) - Additional Information

Gene ID 8350;8351;8352;8353;8354;8355;8356;8357;8358;8968

Other Names

Histone H31, Histone H3/a, Histone H3/b, Histone H3/c, Histone H3/d, Histone H3/f, Histone H3/h, Histone H3/i, Histone H3/j, Histone H3/k, Histone H3/l, HIST1H3A, H3FA

Target/Specificity

This HIST1H3/2H3/3H3/H3F3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 97-124 amino acids from the C-terminal region of human HIST1H3/2H3/3H3/H3F3.

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

HIST1H3/2H3/3H3/H3F3 Antibody (C-term) is for research use only and not for use in diagnostic or

therapeutic procedures.

HIST1H3/2H3/3H3/H3F3 Antibody (C-term) - Protein Information

Name H3C1 ([HGNC:4766](#))

Synonyms H3FA, HIST1H3A

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

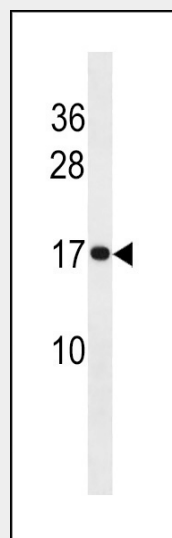
Nucleus. Chromosome.

HIST1H3/2H3/3H3/H3F3 Antibody (C-term) - Protocols

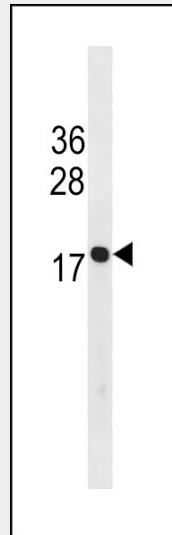
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HIST1H3/2H3/3H3/H3F3 Antibody (C-term) - Images



HIST1H3/2H3/3H3/H3F3 Antibody (C-term) (Cat. #AP20341b) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the HIST1H3/2H3/3H3/H3F3 antibody detected the HIST1H3/2H3/3H3/H3F3 protein (arrow).



HIST1H3/2H3/3H3/H3F3 Antibody (C-term) (Cat. #AP20341b) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the HIST1H3/2H3/3H3/H3F3 antibody detected the HIST1H3/2H3/3H3/H3F3 protein (arrow).

HIST1H3/2H3/3H3/H3F3 Antibody (C-term) - Background

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.

HIST1H3/2H3/3H3/H3F3 Antibody (C-term) - Citations

- [First proteome study of sporadic flowering in bamboo species \(*Bambusa vulgaris* and *Dendrocalamus manipureanus*\) reveal the boom is associated with stress and mobile genetic elements.](#)