

HIST2H3A Antibody(C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19659b**Specification**

HIST2H3A Antibody(C-term) - Product Information

Application	WB,E
Primary Accession	Q71DI3
Other Accession	P02299 , P08898 , P02302 , P02301 , Q6NXT2 , Q6PI79 , P84245 , P84246 , Q71LE2 , P84244 , P84243 , P84249 , Q6PI20 , P84247 , Q5E9F8 , Q10453 , P84233 , P84228 , Q4ORF4 , P84229 , P84227 , Q6LED0 , P68433 , P68431 , P68432 , Q16695 , NP_066403.2 , C0HL66 , C0HL67
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Chicken, Zebrafish, Xenopus, C.Elegans, Drosophila, Pig, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	15388
Antigen Region	108-136

HIST2H3A Antibody(C-term) - Additional Information**Gene ID** 126961;333932;653604**Other Names**

Histone H32, Histone H3/m, Histone H3/o, HIST2H3A

Target/Specificity

This HIST2H3A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 108-136 amino acids from the C-terminal region of human HIST2H3A.

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

HIST2H3A Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HIST2H3A Antibody(C-term) - Protein Information

Name H3C15 ([HGNC:20505](#))

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

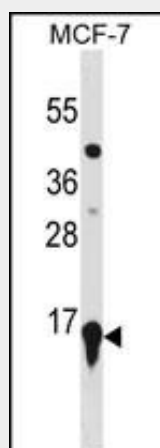
Nucleus. Chromosome.

HIST2H3A 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](#)

HIST2H3A Antibody(C-term) - Images



HIST2H3A Antibody (C-term) (Cat. #AP19659b) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the HIST2H3A antibody detected the HIST2H3A protein (arrow).

HIST2H3A Antibody(C-term) - Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the telomeric copy. [provided by RefSeq].

HIST2H3A Antibody(C-term) - References

Neumann, H., et al. Mol. Cell 36(1):153-163(2009)
Hurd, P.J., et al. J. Biol. Chem. 284(24):16575-16583(2009)
Yuan, J., et al. Cell Cycle 8(11):1747-1753(2009)
Chang, Q., et al. J. Hepatol. 50(2):323-333(2009)
Kobza, K., et al. BMB Rep 41(4):310-315(2008)