

HIST2H2AC Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19918c**Specification**

HIST2H2AC Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q16777
Other Accession	P84051 , Q7ZUY3 , A9UMV8 , Q8R1M2 , Q4R3X5 , Q9BTM1 , P70082 , Q3ZBX9 , P02263 , P35062 , P06898 , Q64523 , A1A4R1 , Q64522 , Q8IUE6 , P0CC09 , Q6GSS7 , Q6FI13 , P06897 , P02262 , P0C0S8 , P0C0S9 , Q99878 , Q96KK5 , P0C170 , P0C169 , Q93077 , NP_003508.1
Reactivity	Human
Predicted	Rat, Bovine, Xenopus, Mouse, Chicken, Monkey, Zebrafish, Drosophila
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	13988
Antigen Region	18-46

HIST2H2AC Antibody (Center) - Additional Information**Gene ID** 8338**Other Names**

Histone H2A type 2-C, Histone H2A-GL101, Histone H2A/q, HIST2H2AC, H2AFQ

Target/Specificity

This HIST2H2AC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 18-46 amino acids from the Central region of human HIST2H2AC.

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

HIST2H2AC Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

HIST2H2AC Antibody (Center) - Protein Information

Name H2AC20 ([HGNC:4738](#))

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

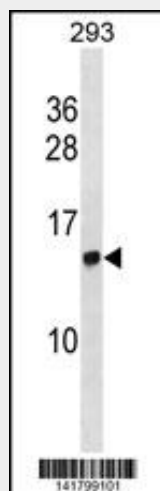
Nucleus. Chromosome.

HIST2H2AC 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 Cytometry](#)
- [Cell Culture](#)

HIST2H2AC Antibody (Center) - Images



HIST2H2AC Antibody (Center) (Cat. #AP19918c) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the HIST2H2AC antibody detected the HIST2H2AC protein (arrow).

HIST2H2AC 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 H2A family.

HIST2H2AC Antibody (Center) - References

Ishibashi, T., et al. Biochemistry 48(22):5007-5017(2009)
Karaczyn, A.A., et al. Ann. Clin. Lab. Sci. 39(3):251-262(2009)
Pinato, S., et al. BMC Mol. Biol. 10, 55 (2009) :
Guerrero-Santoro, J., et al. Cancer Res. 68(13):5014-5022(2008)
Zhao, Y., et al. Mol. Cell 29(1):92-101(2008)