

Histone H3 (HIST1H3A) Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22384a

Specification

Histone H3 (HIST1H3A) Antibody - Product Information

Application	WB, E
Primary Accession	P68431
Other Accession	O16695 , P68432 , P68433 , O6LED0 , P84227 , P84229 , O4ORF4 , Q71DI3 , P84228 , P84233 , O10453 , O9U281 , C0HL66 , C0HL67 , Q27532 , O5E9F8 , P84247 , O6PI20 , P84243 , P84244 , O71LE2 , P84246 , P84245 , O6PI79 , A5PK61 , O6NXT2 , P02301 , P02302 , P08898 , P02299 , P61830 , Q5TEC6
Reactivity Predicted	Human, Mouse, Rat Bovine, Chicken, Zebrafish, Xenopus, C.Elegans, Drosophila, Pig, Rabbit, Yeast
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG

Histone H3 (HIST1H3A) Antibody - Additional Information

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

Other Names

Histone H3.1, 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 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1~31 amino acids from human.

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

Histone H3 (HIST1H3A) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Histone H3 (HIST1H3A) Antibody - 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

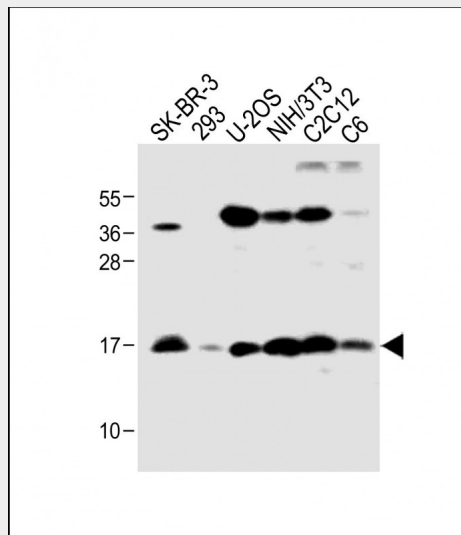
Nucleus. Chromosome.

Histone H3 (HIST1H3A) Antibody - 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](#)

Histone H3 (HIST1H3A) Antibody - Images



All lanes : Anti-HIST1H3A at 1:1000 dilution Lane 1: SK-BR-3 whole cell lysate Lane 2: 293 whole cell lysate Lane 3: U-2OS whole cell lysate Lane 4: NIH/3T3 whole cell lysate Lane 5: C2C12 whole cell lysate Lane 6: C6 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 15 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

Histone H3 (HIST1H3A) Antibody - 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.

Histone H3 (HIST1H3A) Antibody - References

Zhong R., et al. *Nucleic Acids Res.* 11:7409-7425(1983).

Marashi F., et al. *Biochem. Cell Biol.* 64:277-289(1986).

Albig W., et al. *Genomics* 10:940-948(1991).

Kardalidou E., et al. *J. Cell. Biochem.* 52:375-383(1993).

Runge D., et al. Submitted (OCT-1994) to the EMBL/GenBank/DDBJ databases.