

HIST1H3A

Purified Rabbit Polyclonal Antibody (Pab)
 Catalog # AP22384a-200 □

Specification

HIST1H3A - Product info

Application	WB
Primary Accession	P68431
Reactivity	Human, Mouse, Rat
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Clone Names	RB60697
Calculated MW	15404

HIST1H3A - Additional info

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~~1:500~2000

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

HIST1H3A is for research use only and not for use in diagnostic
 or therapeutic procedures.

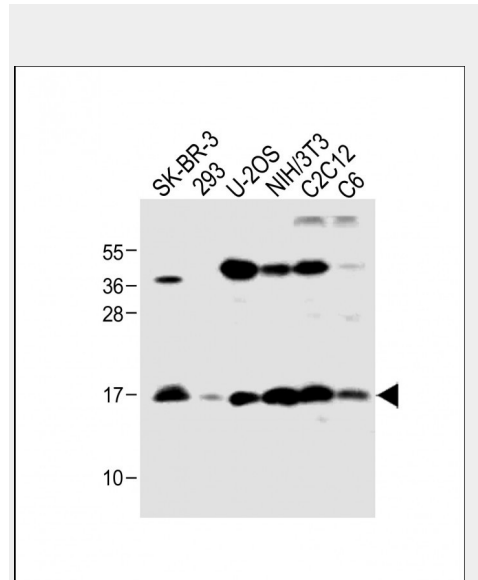
HIST1H3A - Protein Information

Name HIST1H3A

Synonyms H3FA

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.



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% NFDN/TBST.

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.

HIST1H3A - 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](#)

HIST1H3A - 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.

HIST1H3A - 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/DBJ databases.