10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HIST1H4A Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5130

Specification

HIST1H4A Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P62805
Other Accession	P02309, P62799, P62804, P62802, P62806, Q4R362, P84040, P62801, P62784, P62803
Reactivity	**Human, Mouse, Rat**
Predicted	**Bovine, C.Elegans, Chicken, Drosophila, Monkey, Pig, Xenopus, Yeast**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**H=11;M=11;Rat=11 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

HIST1H4A Antibody (C-term) - Additional Information

Gene ID 121504;554313;8294;8359;8360;8361;8362;8363;8364;8365;8366;8367;8368;8370

Antigen Region
71-103

Other Names
Histone H4, HIST1H4A, H4/A, H4FA

Dilution
WB~~1:1000
IHC-P~~1:25
FC~~1:25

Target/Specificity
This HIST1H4A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 71-103 amino acids from the C-terminal region of human HIST1H4A.

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
HIST1H4A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HIST1H4A Antibody (C-term) - Protein Information

Name H4C1

Synonyms H4/A, H4FA, HIST1H4A

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.

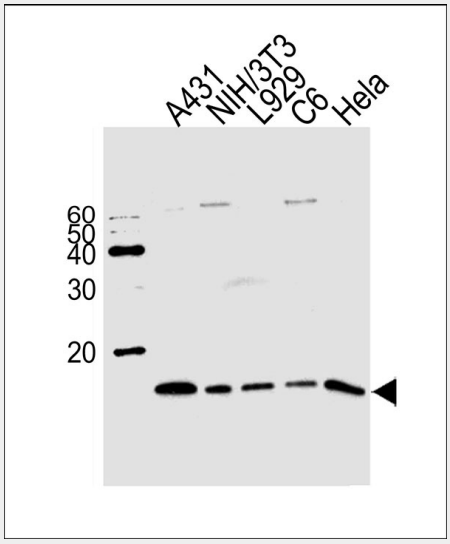
Cellular Location
Nucleus. Chromosome.

HIST1H4A Antibody (C-term) - Protocols

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

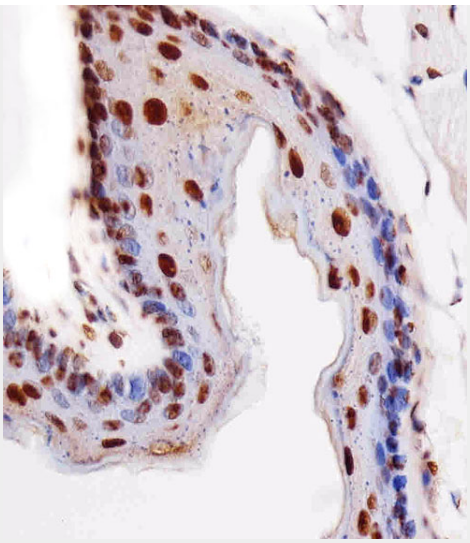
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HIST1H4A Antibody (C-term) - Images

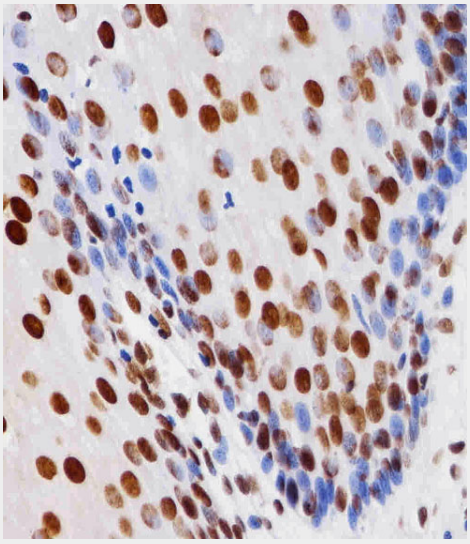


Western blot analysis of lysates from A431,mouse NIH/3T3,L929,rat C6,Hela cell line (from left to right), using HIST1H4A Antibody (C-term)(Cat. #AW5130). AW5130 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

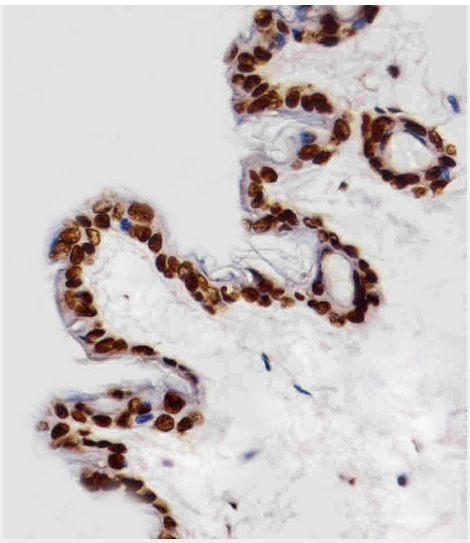


Immunohistochemical analysis of paraffin-embedded M. esophagus section using HIST1H4A Antibody (C-term)(Cat#AW5130). AW5130 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

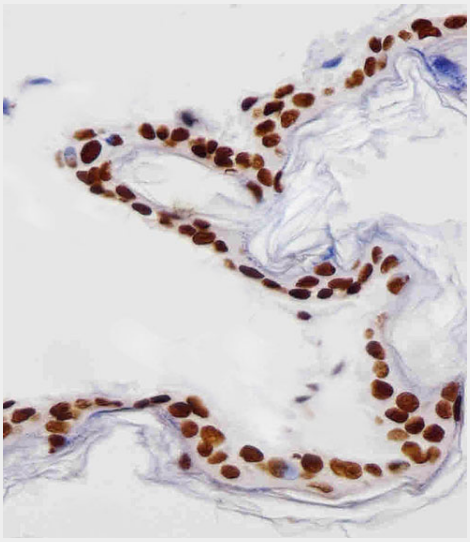


Immunohistochemical analysis of paraffin-embedded H. esophagus section using HIST1H4A Antibody (C-term)(Cat#AW5130). AW5130 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

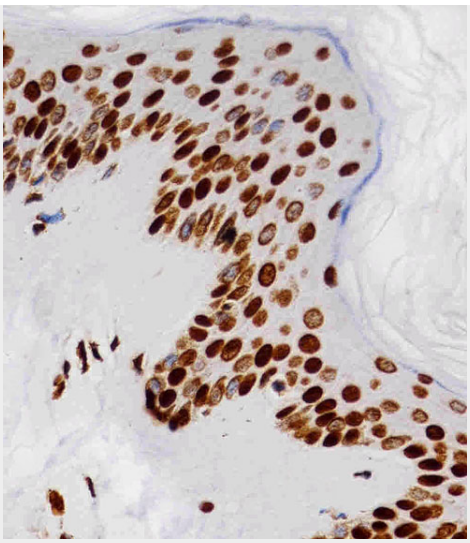


Immunohistochemical analysis of paraffin-embedded M. skin section using HIST1H4A Antibody (C-term)(Cat#AW5130). AW5130 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

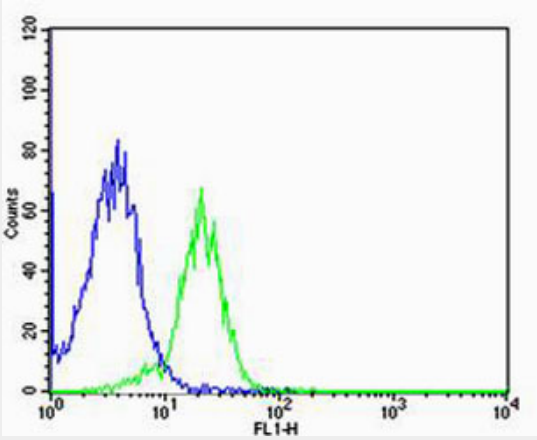


Immunohistochemical analysis of paraffin-embedded R. skin section using HIST1H4A Antibody (C-term)(Cat#AW5130). AW5130 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Immunohistochemical analysis of paraffin-embedded H. skin section using HIST1H4A Antibody (C-term)(Cat#AW5130). AW5130 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Flow cytometric analysis of MCF-7 cells using HIST1H4A Antibody (C-term)(green, Cat#AW5130) compared to an isotype control of rabbit IgG(blue). AW5130 was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

HIST1H4A 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.

HIST1H4A Antibody (C-term) - References

Sierra F.,et al.Nucleic Acids Res. 11:7069-7086(1983).
Pauli U.,et al.Science 236:1308-1311(1987).
Albig W.,et al.Genomics 10:940-948(1991).
Drabent B.,et al.DNA Cell Biol. 14:591-597(1995).
Albig W.,et al.Gene 184:141-148(1997).