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Histone H3 Antibody

Rabbit mAb
Catalog # AP91018

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	P68431
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Histone H3.1, Histone H3, HIST1H3A;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	15404

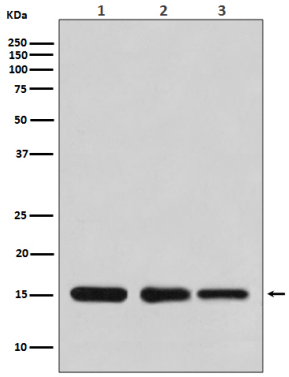
Additional Information

Dilution	WB 1:1000~1:2000 IHC 1:50~1:200 ICC/IF 1:100~1:500 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Histone H3
Description	Belongs to the histone H3 family. 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

Images



Western blot analysis of Histone H3 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) Rat brain lysate.

Image not found : 202311/AP91018-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human colon, using Histone H3 Antibody.

Image not found : 202311/AP91018-IF.jpg

Immunofluorescent analysis of HeLa cells, using Histone H3 Antibody.

Image not found : 202311/AP91018-wb6.jpg

Histone methyltransferase NSD2 regulates apoptosis and chemosensitivity in osteosarcoma. -Cell Death and Disease

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.