

Anti-Histone H2A HIST1H2AB Rabbit Monoclonal Antibody

Catalog # ABO14078

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	P04908
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Histone H2A HIST1H2AB Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	3012;8335
Other Names	Histone H2A type 1-B/E, Histone H2A.2, Histone H2A/a, Histone H2A/m, H2AC4 (HGNC:4734)
Calculated MW	14135
Application Details	WB 1:1000-1:5000 IHC 1:50-1:200 ICC/IF 1:50-1:200
Subcellular Localization	Nucleus. Chromosome.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: DFA-8
Immunogen	A synthesized peptide derived from human Histone H2A
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	H2AC4 (HGNC:4734)
-------------	-------------------------------------

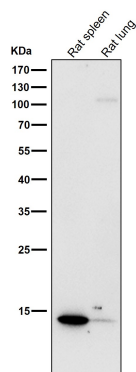
Function

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.

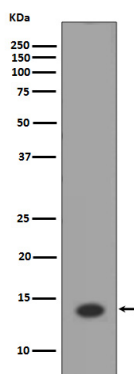
Cellular Location

Nucleus. Chromosome.

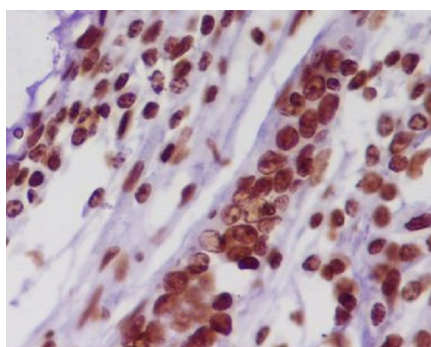
Images



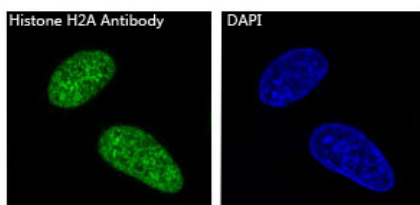
All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



Western blot analysis of Histone H2A expression in HeLa cell lysate.



Immunohistochemical analysis of paraffin-embedded human colon, using Histone H2A Antibody.



Immunofluorescent analysis of HeLa cells, using Histone H2A Antibody.