

Anti-Histone H3 HIST1H3A Rabbit Monoclonal Antibody

Catalog # ABO14037

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	P68431
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Histone H3 HIST1H3A Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

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, H3C1 (HGNC:4766), H3FA, HIST1H3A
Calculated MW	15404
Application Details	WB 1:1000-1:2000 IHC 1:1000-1:2000 ICC/IF 1:1000-1:2000
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: HDE-8
Immunogen	A synthesized peptide derived from human Histone H3
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	H3C1 (HGNC:4766)
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Synonyms

H3FA, HIST1H3A

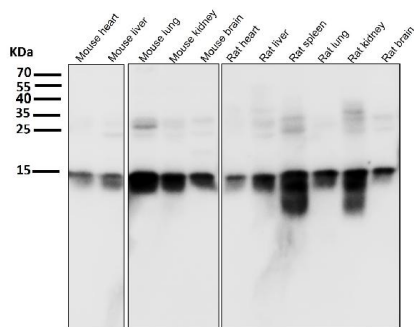
Function

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.

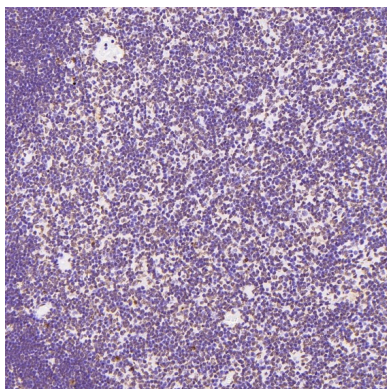
Cellular Location

Nucleus. Chromosome.

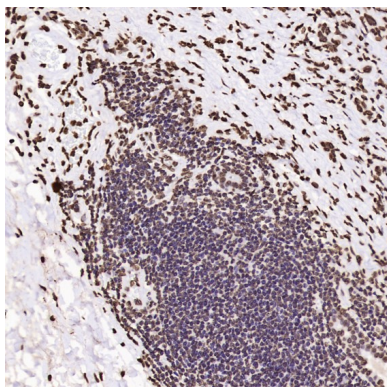
Images



All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.

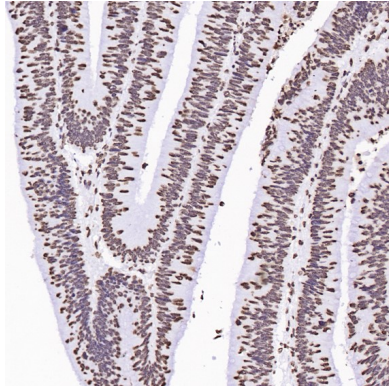
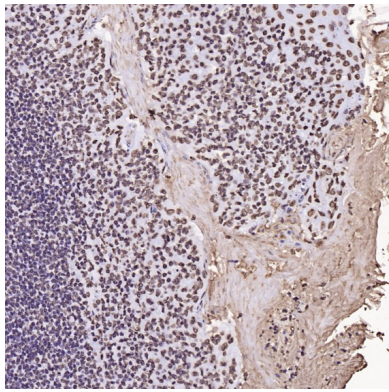


Immunohistochemical analysis of paraffin-embedded Rat thymus, using the Antibody at 1:3000 dilution.

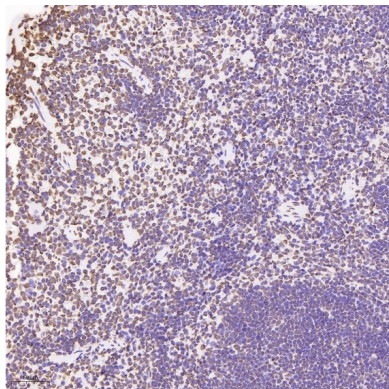


Immunohistochemical analysis of paraffin-embedded Human esophageal carcinoma, using the Antibody at 1:2000 dilution.

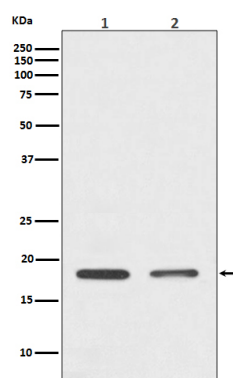
Immunohistochemical analysis of paraffin-embedded Human tonsil, using the Antibody at 1:2000 dilution.



Immunohistochemical analysis of paraffin-embedded Human colon cancer, using the Antibody at 1:6000 dilution.

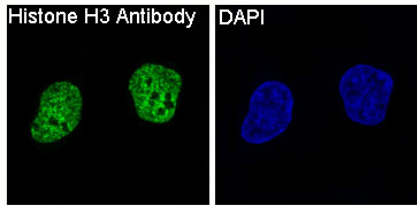
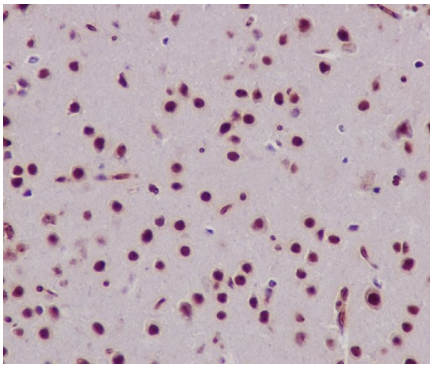


Immunohistochemical analysis of paraffin-embedded Mouse spleen, using the Antibody at 1:3000 dilution.



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

Immunohistochemical analysis of paraffin-embedded mouse brain, using Histone H3 Antibody.



Immunofluorescent analysis of Hela cells, using Histone H3 Antibody.

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