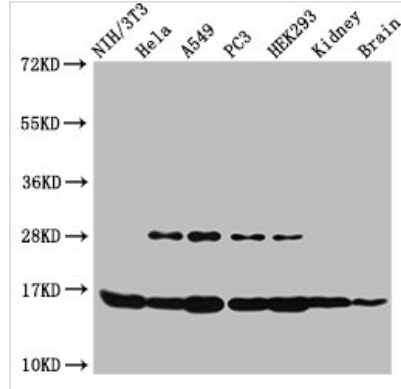




HIST1H3A (Ab-4) Antibody

Product Code	CSB-PA010418PA04nme2HU
Abbreviation	Histone H3.1
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P68431
Immunogen	Peptide sequence around site of Lys (4) derived from Human Histone H3.1
Raised In	Rabbit
Species Reactivity	Human, Mouse
Tested Applications	ELISA, WB, IHC, IF, ChIP; Recommended dilution: WB:1:100-1:1000, IHC:1:20-1:200, IF:1:50-1:200
Relevance	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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Purification Method	Antigen Affinity Purified
Isotype	IgG
Clonality	Polyclonal
Alias	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; HIST1H3B; HIST1H3C; HIST1H3D; HIST1H3E; HIST1H3F; HIST1H3G; HIST1H3H; HIST1H3I; HIST1H3J, H3FA; H3FL; H3FC; H3FB; H3FD; H3FI; H3FH; H3FK; H3FF; H3FJ
Species	Human
Research Area	Epigenetics and Nuclear Signaling
Target Names	HIST1H3A
Image	



Western Blot

Positive WB detected in: NIH/3T3 cell acid extracts, HeLa cell acid extracts, A549 cell acid extracts, PC-3 cell acid extracts, HEK293 cell acid extracts, Mouse kidney tissue, Mouse brain tissue

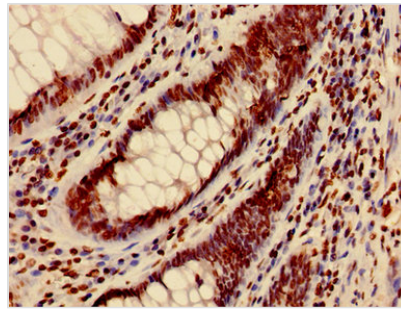
All lanes: HIST1H3A antibody at 2.5µg/ml

Secondary

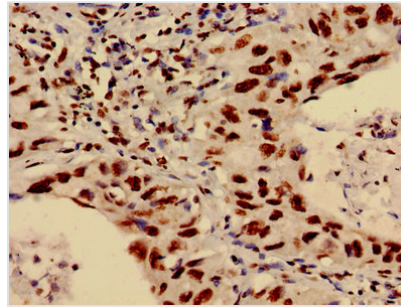
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 16 kDa

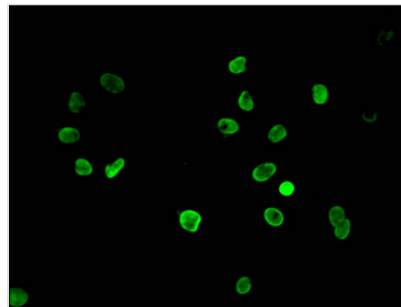
Observed band size: 16 kDa



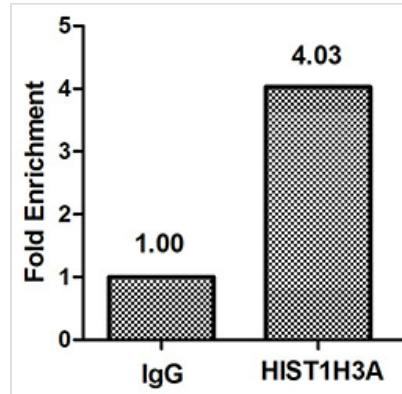
Immunohistochemistry of paraffin-embedded human colon cancer using CSB-PA010418PA04nme2HU at dilution of 1:100



Immunohistochemistry of paraffin-embedded human lung cancer using CSB-PA010418PA04nme2HU at dilution of 1:100



Immunofluorescent analysis of HeLa cells using CSB-PA010418PA04nme2HU at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Chromatin Immunoprecipitation HeLa (4×10^6) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 8 μ g anti-HIST1H3A (CSB-PA010418PA04nme2HU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β -Globin promoter.