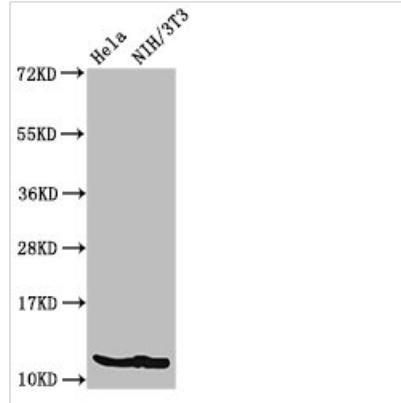




HIST1H4A (Ab-12) Antibody

Product Code	CSB-PA010429OA12nacHU
Abbreviation	Histone H4
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P62805
Immunogen	Peptide sequence around site of Lys (12) derived from Human Histone H4
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 H4, HIST1H4A; HIST1H4B; HIST1H4C; HIST1H4D; HIST1H4E; HIST1H4F; HIST1H4H; HIST1H4I; HIST1H4J; HIST1H4K; HIST1H4L; HIST2H4A; HIST2H4B; HIST4H4, H4/A H4FA; H4/I H4FI; H4/G H4FG; H4/B H4FB; H4/J H4FJ; H4/C H4FC; H4/H H4FH; H4/M H4FM; H4/E H4FE; H4/D H4FD; H4/K H4FK; H4/N H4F2 H4FN HIST2H4; H4/O H4FO;
Species	Human
Research Area	Epigenetics and Nuclear Signaling
Target Names	HIST1H4A
Image	



Western Blot

Positive WB detected in: HeLa cell acid extracts, NIH/3T3 cell acid extracts

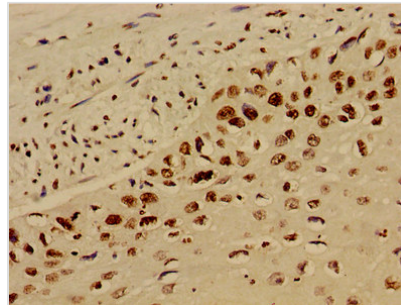
All lanes: HIST1H4A antibody at 2µg/ml

Secondary

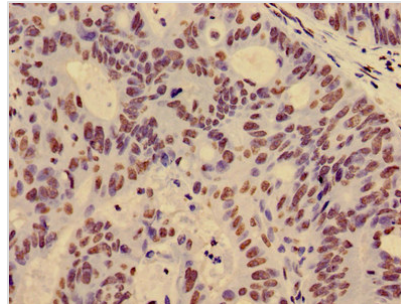
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 12 kDa

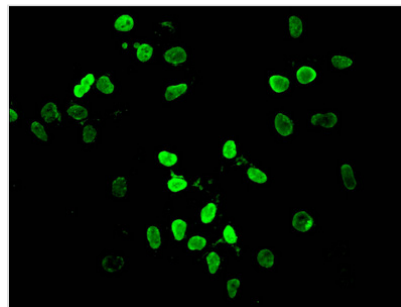
Observed band size: 12 kDa



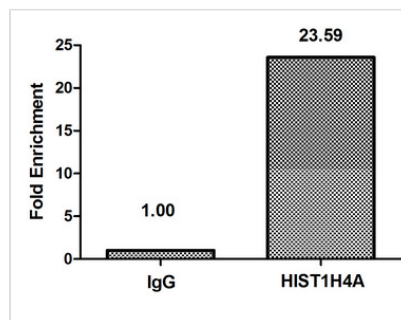
Immunohistochemistry of paraffin-embedded human cervical cancer using CSB-PA010429OA12nacHU at dilution of 1:100



Immunohistochemistry of paraffin-embedded human colon cancer using CSB-PA010429OA12nacHU at dilution of 1:100



Immunofluorescent analysis of HeLa cells using CSB-PA010429OA12nacHU 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 8µg anti-HIST1H4A (CSB-PA010429OA12nacHU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β -Globin promoter.