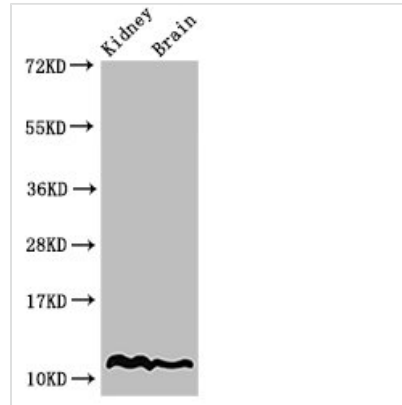




# HIST1H4A (Ab-12) Antibody

<b>Product Code</b>	CSB-PA010429PA12nachU
<b>Abbreviation</b>	Histone H4
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P62805
<b>Immunogen</b>	Peptide sequence around site of Lys (12) derived from Human Histone H4
<b>Raised In</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse
<b>Tested Applications</b>	ELISA, WB, IHC, IF, IP, CHIP; Recommended dilution: WB:1:200-1:2000, IHC:1:20-1:200, IF:1:50-1:200, IP:1:200-1:2000
<b>Relevance</b>	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.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
<b>Purification Method</b>	Antigen Affinity Purified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Alias</b>	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;
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Target Names</b>	HIST1H4A

Image



**Western Blot**

Positive WB detected in: Mouse kidney tissue, Mouse brain tissue

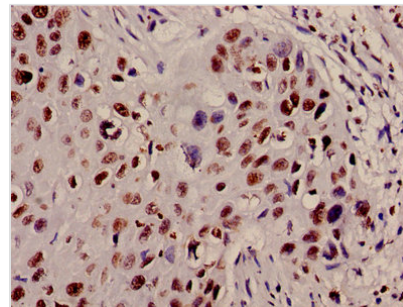
All lanes: HIST1H4A antibody at 2µg/ml

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 12 kDa

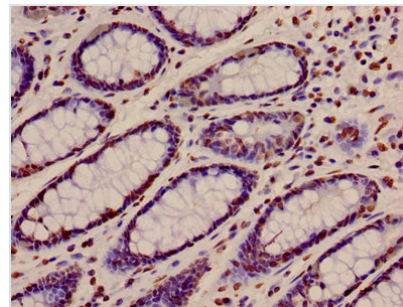
Observed band size: 12 kDa



**Immunohistochemistry of paraffin-embedded human cervical cancer using CSB-PA010429PA12nacHU at dilution of 1:100**

CSB-PA010429PA12nacHU at dilution of 1:100

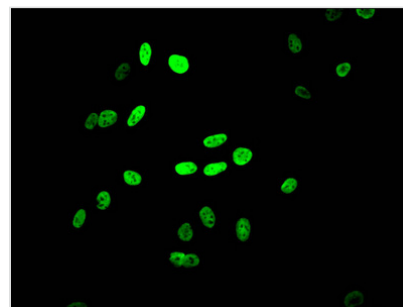
CSB-PA010429PA12nacHU at dilution of 1:100



**Immunohistochemistry of paraffin-embedded human colon cancer using CSB-PA010429PA12nacHU at dilution of 1:100**

CSB-PA010429PA12nacHU at dilution of 1:100

CSB-PA010429PA12nacHU at dilution of 1:100

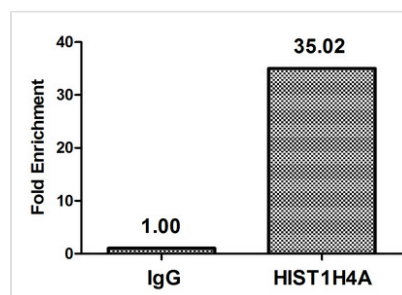


**Immunofluorescent analysis of HeLa cells using CSB-PA010429PA12nacHU at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)**

CSB-PA010429PA12nacHU at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

CSB-PA010429PA12nacHU at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

CSB-PA010429PA12nacHU at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



**Chromatin Immunoprecipitation HeLa ( $4 \times 10^6$ )**

were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 8µg anti-HIST1H4A (CSB-PA010429PA12nacHU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β-Globin promoter.

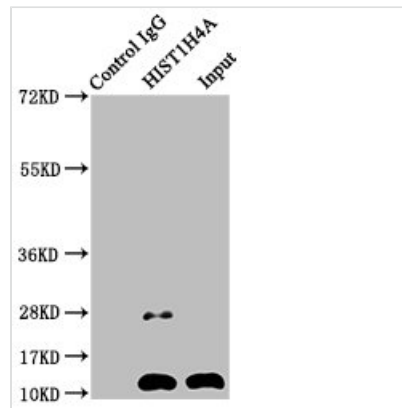
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Immunoprecipitating HIST1H4A in Mouse brain tissue

Lane 1: Rabbit control IgG instead of CSB-PA010429PA12nacHU in Mouse brain tissue.

For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)

Lane 2: CSB-PA010429PA12nacHU (5 $\mu$ g) + Mouse brain tissue (500 $\mu$ g)

Lane 3: Mouse brain tissue (20 $\mu$ g)