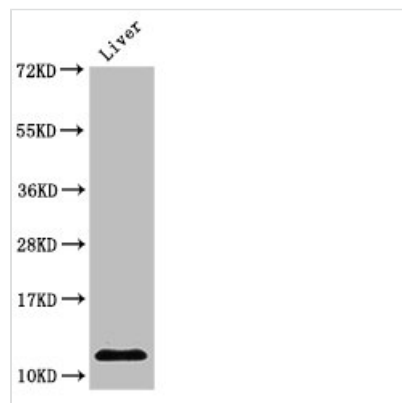




# HIST1H4A (Ab-8) Antibody

<b>Product Code</b>	CSB-PA010429PA08nacHU
<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 (8) derived from Human Histone H4
<b>Raised In</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Tested Applications</b>	ELISA, WB, IHC, IF, IP, ChIP; Recommended dilution: WB:1:100-1:1000, 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>Product Type</b>	Polyclonal Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Gene Names</b>	HIST1H4A

## Image



### Western Blot

Positive WB detected in: Rat liver tissue

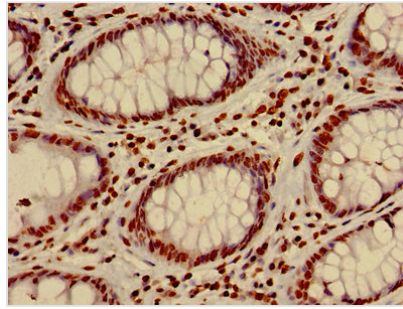
All lanes: HIST1H4A antibody at 2µg/ml

Secondary

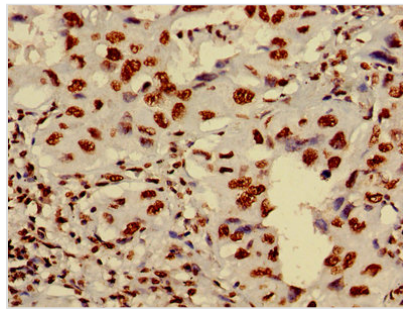
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 12 kDa

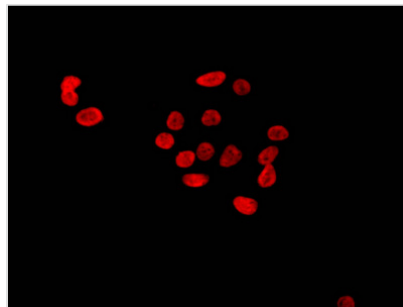
Observed band size: 12 kDa



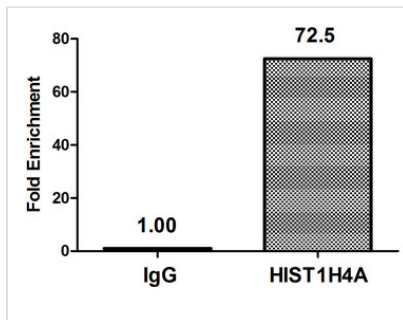
Immunohistochemistry of paraffin-embedded human colon cancer using CSB-PA010429PA08nacHU at dilution of 1:100



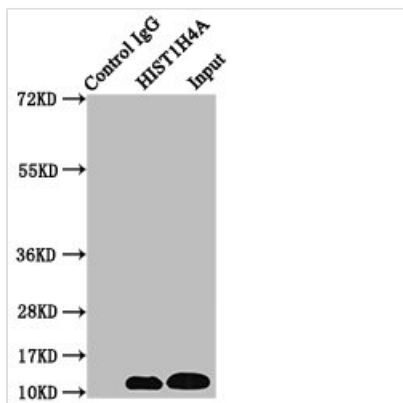
Immunohistochemistry of paraffin-embedded human lung cancer using CSB-PA010429PA08nacHU at dilution of 1:100



Immunofluorescent analysis of HeLa cells using CSB-PA010429PA08nacHU at dilution of 1:100 and Cy3-conjugated Goat Anti-Rabbit IgG



Chromatin Immunoprecipitation HeLa ( $4 \times 10^6$ ) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with  $8 \mu\text{g}$  anti-HIST1H4A (CSB-PA010429PA08nacHU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the  $\beta$ -Globin promoter.



Immunoprecipitating HIST1H4A in NIH/3T3 whole cell lysate  
 Lane 1: Rabbit control IgG instead of CSB-PA010429PA08nacHU in NIH/3T3 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)  
 Lane 2: CSB-PA010429PA08nacHU ( $5 \mu\text{g}$ ) + NIH/3T3 whole cell lysate ( $500 \mu\text{g}$ )  
 Lane 3: NIH/3T3 whole cell lysate ( $20 \mu\text{g}$ )