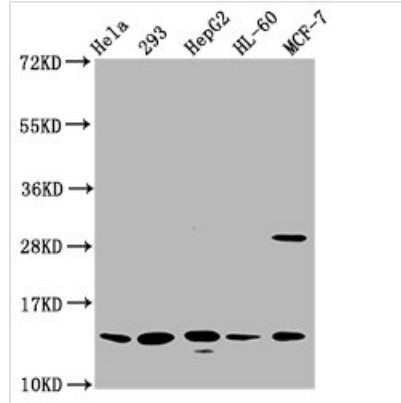




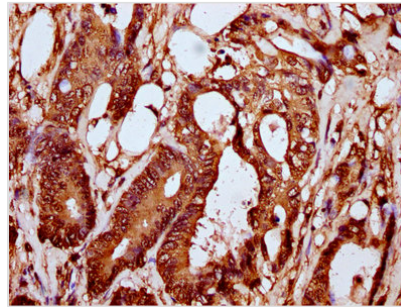
# HIST1H2BC (Ab-108) Antibody

<b>Product Code</b>	CSB-PA010403OA108nforHU
<b>Abbreviation</b>	Histone H2B type 1-C/E/F/G/I
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P62807
<b>Immunogen</b>	Peptide sequence around site of Lys (108) derived from Human Histone H2B type 1-C/E/F/G/I
<b>Raised In</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, WB, IHC, IP; Recommended dilution: WB:1:100-1:1000, IHC:1:10-1:100, 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 H2B type 1-C/E/F/G/I (Histone H2B.1 A) (Histone H2B.a) (H2B/a) (Histone H2B.g) (H2B/g) (Histone H2B.h) (H2B/h) (Histone H2B.k) (H2B/k) (Histone H2B.l) (H2B/l), HIST1H2BC; HIST1H2BE; HIST1H2BF; HIST1H2BG; HIST1H2BI, H2BFL; H2BFH; H2BFG; H2BFA; H2BFK
<b>Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Target Names</b>	HIST1H2BC
<b>Image</b>	

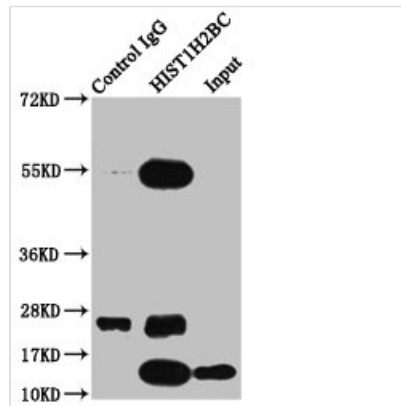


**Western Blot**

Positive WB detected in: HeLa whole cell lysate, 293 whole cell lysate, HepG2 whole cell lysate, HL60 whole cell lysate, MCF-7 whole cell lysate  
 All lanes: HIST1H2BC antibody at 0.79µg/ml  
 Secondary  
 Goat polyclonal to rabbit IgG at 1/50000 dilution  
 Predicted band size: 14 kDa  
 Observed band size: 14 kDa



IHC image of CSB-PA010403OA108nforHU diluted at 1:10 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



**Immunoprecipitating HIST1H2BC in HepG2 whole cell lysate**

Lane 1: Rabbit control IgG instead of CSB-PA010403OA108nforHU in HepG2 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)  
 Lane 2: CSB-PA010403OA108nforHU (5µg) + HepG2 whole cell lysate (500µg)  
 Lane 3: HepG2 whole cell lysate (20µg)