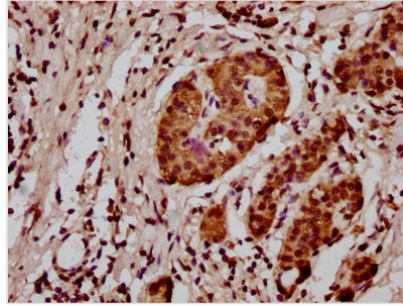


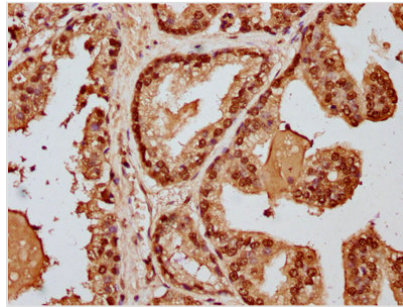


# HIST1H3A (Ab-128) Antibody

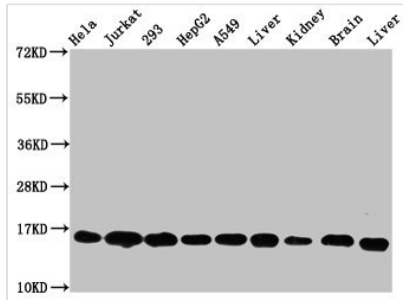
<b>Product Code</b>	CSB-PA010418OA128nme1HU
<b>Abbreviation</b>	Histone H3.1
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P68431
<b>Immunogen</b>	Peptide sequence around site of Arg (128) derived from Human Histone H3.1
<b>Raised In</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Tested Applications</b>	ELISA, WB, IHC, IP; Recommended dilution: WB:1:200-1:2000, 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 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
<b>Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Target Names</b>	HIST1H3A
<b>Image</b>	



IHC image of CSB-PA010418OA128nme1HU diluted at 1:20 and staining in paraffin-embedded human pancreatic 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.



IHC image of CSB-PA010418OA128nme1HU diluted at 1:20 and staining in paraffin-embedded human prostate 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.

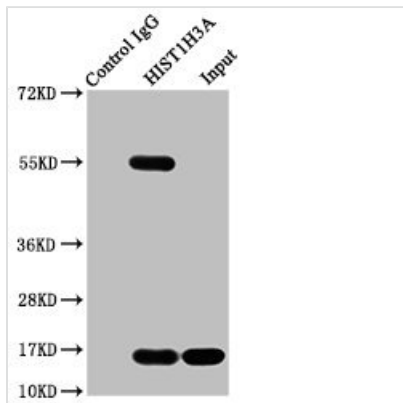


#### Western Blot

Positive WB detected in: HeLa whole cell lysate, Jurkat whole cell lysate, 293 whole cell lysate, HepG2 whole cell lysate, A549 whole cell lysate, Rat liver tissue, Rat kidney tissue, Mouse brain tissue, Mouse liver tissue

All lanes: HIST1H3A antibody at 0.53µg/ml  
Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution  
Predicted band size: 16 kDa  
Observed band size: 16 kDa



#### Immunoprecipitating HIST1H3A in HeLa whole cell lysate

Lane 1: Rabbit control IgG instead of CSB-PA010418OA128nme1HU in HeLa whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)

Lane 2: CSB-PA010418OA128nme1HU (5µg) + HeLa whole cell lysate (500µg)

Lane 3: HeLa whole cell lysate (20µg)