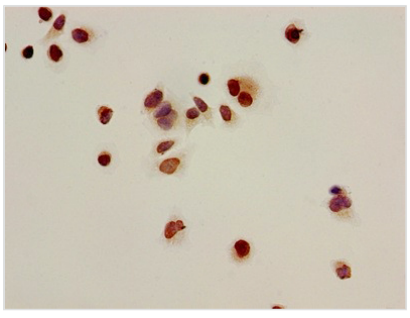
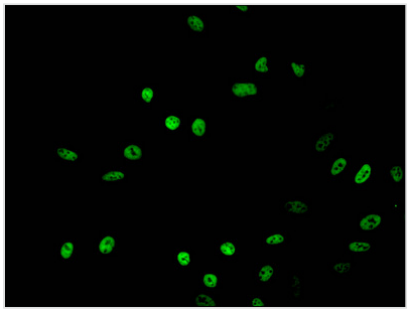
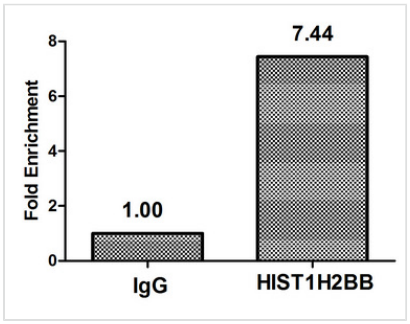
Acetyl-HIST1H2BB (K16) Antibody

Product Code	CSB-PA010402OA16acHU
Abbreviation	Histone H2B type 1-B
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P33778
Immunogen	Peptide sequence around site of Acetyl-Lys (16) derived from Human Histone H2B type 1-B
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, ICC, IF, ChIP; Recommended dilution: ICC: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 H2B type 1-B (Histone H2B.1) (Histone H2B.f) (H2B/f), HIST1H2BB, H2BFF
Species	Human
Research Area	Epigenetics and Nuclear Signaling
Target Names	HIST1H2BB
Image	 Immunocytochemistry analysis of Hela cells using CSB-PA010402OA16acHU at dilution of 1:100



Immunofluorescent analysis of Hela cells treated with NaB using CSB-PA010402OA16acHU at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Chromatin Immunoprecipitation Hela ($4*10^6$) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 8µg anti-HIST1H2BB (CSB-PA010402OA16acHU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β-Globin promoter.