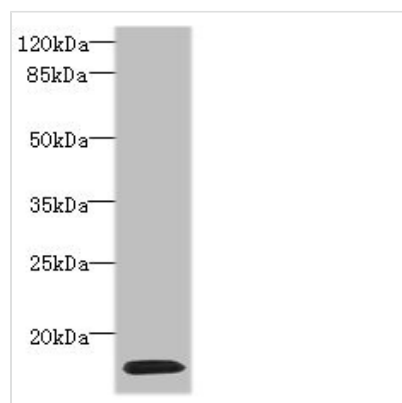




HIST1H2AG Antibody

Product Code	CSB-PA010389LA01HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P0C0S8
Immunogen	Recombinant Human Histone H2A type 1 protein (2-130AA)
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC, IF, ChIP; Recommended dilution: WB:1:1000-1:5000, IHC: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	>95%, Protein G purified
Isotype	IgG
Clonality	Polyclonal
Alias	Histone H2A type 1 (H2A.1) (Histone H2A/ptI), HIST1H2AG; HIST1H2AI; HIST1H2AK; HIST1H2AL; HIST1H2AM, H2AFP; H2AFC; H2AFD; H2AFI; H2AFN
Species	Human
Research Area	Others
Target Names	HIST1H2AG

Image



Western blot

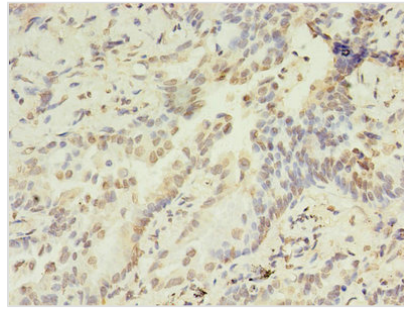
All lanes: HIST1H2AG antibody at 4µg/ml + HL60 whole cell lysate

Secondary

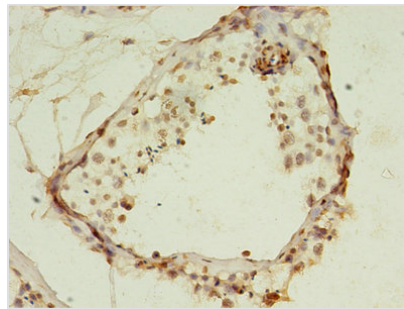
Goat polyclonal to rabbit IgG at 1/10000 dilution

Predicted band size: 15 kDa

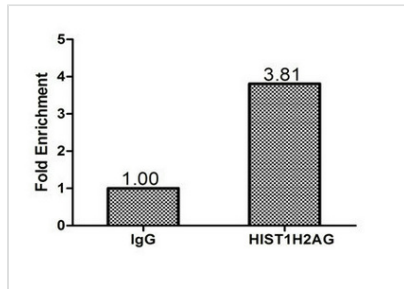
Observed band size: 15 kDa



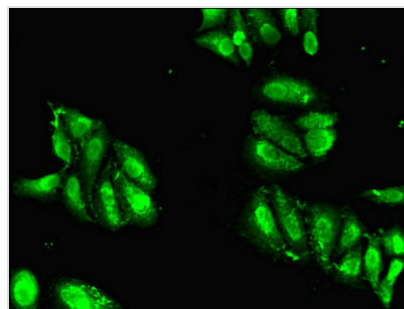
Immunohistochemistry of paraffin-embedded human lung cancer using CSB-PA010389LA01HU at dilution of 1:100



Immunohistochemistry of paraffin-embedded human testis tissue using CSB-PA010389LA01HU at dilution of 1:100



Chromatin Immunoprecipitation
Hela(1.2×10^6) were cross-linked with formaldehyde, sonicated, and immunoprecipitated with $4\mu\text{g}$ anti-HIST1H2AG or a control normal rabbit IgG. The resulting ChIP DNA was quantified tissue using real-time PCR with primers(CSB-PP010389HU) against the PGK1 promoter.



Immunofluorescent analysis of HeLa cells using CSB-PA010389LA01HU at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)