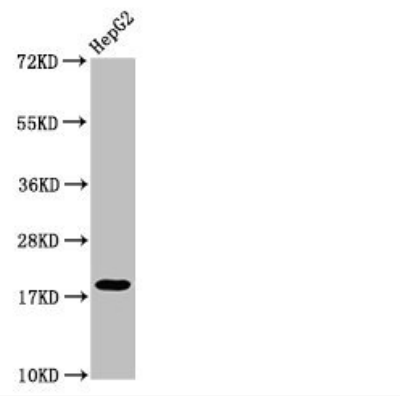
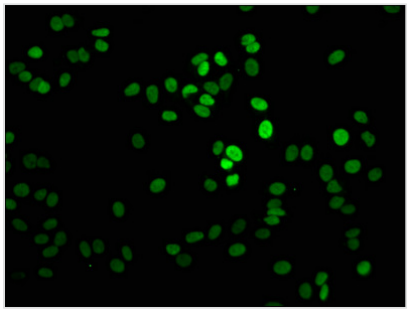
Mono-methyl-H1F0 (K101) Antibody

Product Code	CSB-PA010087OA101me1HU
Abbreviation	Histone H1.0
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P07305
Immunogen	Peptide sequence around site of Mono-methyl-Lys (101) derived from Human Histone H1.0
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, WB, ICC, IF, ChIP; Recommended dilution: WB:1:50-1:500, ICC:1:1-1:10, IF:1:1-1:10
Relevance	Histones H1 are necessary for the condensation of nucleosome chains into higher-order structures. The H1F0 histones are found in cells that are in terminal stages of differentiation or that have low rates of cell division.
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 H1.0 (Histone H1') (Histone H1(0)) [Cleaved into: Histone H1.0, N-terminally processed], H1F0, H1FV
Species	Human
Research Area	Epigenetics and Nuclear Signaling
Target Names	H1F0

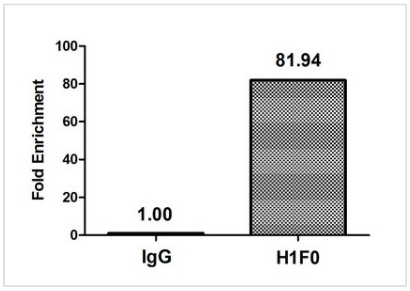
Image



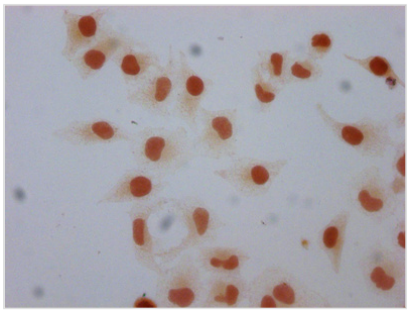
Western Blot
Positive WB detected in: HepG2 whole cell lysate
All lanes: H1F0 antibody at 1:50
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 21, 20 kDa
Observed band size: 21 kDa



Immunofluorescence staining of HepG2 cells with CSB-PA010087OA101me1HU at 1:2.5, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was 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 5µg anti-H1F0 (CSB-PA010087OA101me1HU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β-Globin promoter.



Immunocytochemistry analysis of CSB-PA010087OA101me1HU diluted at 1:5 and staining in Hela cells performed on a Leica BondTM system. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and 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.