Propionyl-HIST1H4A (K8) Antibody

PACO59596

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IF, IP, ChIP

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:1000-1:5000, IF:1:20-1:200, IP:1:200-1:2000

Protein Background:

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.

Gene ID:

HIST1H4A

Uniprot

P62805

Synonyms:

Histone H4, HIST1H4A; HIST1H4B; HIST1H4C; HIST1H4D; HIST1H4E; HIST1H4F; HIST1H4H; HIST1H4I; HIST1H4J; HIST1H4K; HIST1H4L; HIST2H4A; HIST2H4B; HIST4H4, H4/A H4FA; H4/I H4FI; H4/G H4FG; H4/B H4FB; H4/J H4FJ; H4/C H4FC; H4/H H4FH; H4/M H4FM; H4/E H4FE; H4/D H4FD; H4/K H4FK; H4/N H4F2 H4FN HIST2H4; H4/O H4FO;

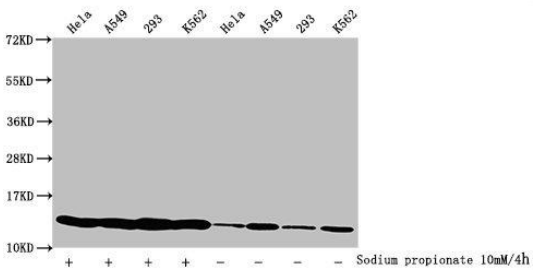
Immunogen:

Peptide sequence around site of Propionyl-Lys (8) derived from Human Histone H4.

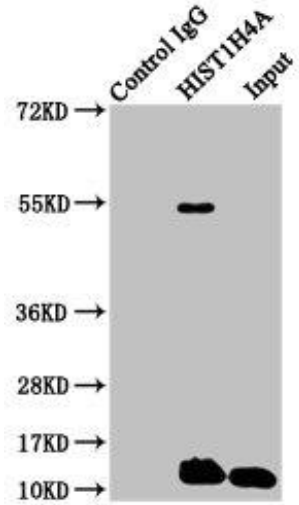
Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

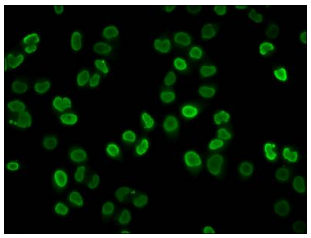
Product Images



Western Blot. Detected samples: Hela whole cell lysate, A549 whole cell lysate, 293 whole cell lysate, K562 whole cell lysate; Untreated (-) or treated (+) with 10mM sodium propionate for 4h. All lanes: HIST1H4A antibody at 1:2000. Secondary. Goat polyclonal to rabbit IgG at 1/40000 dilution. Predicted band size: 12 kDa. Observed band size: 12 kDa.



Immunoprecipitating HIST1H4A in Hela whole cell lysate. Lane 1: Rabbit control IgG instead of PACO59596 in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000). Lane 2: PACO59596 (5µg) + Hela whole cell lysate (500µg). Lane 3: Hela whole cell lysate (20µg).



Immunofluorescence staining of Hela cells (treated with 10mM sodium propionate for 4h) with PACO59596 at 1:25, 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).

