Butyrly-HIST1H2BC (K5) Antibody

PACO60590

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IF, IP, ChIP

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:100-1:1000, IF:1:10-1:100, 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:

HIST1H2BC

Uniprot

P62807

Synonyms:

Histone H2B type 1-C/E/F/G/I (Histone H2B.1 A) (Histone H2B. a) (H2B/a) (Histone H2B. g) (H2B/g) (Histone H2B. h) (H2B/h) (Histone H2B. k) (H2B/k) (Histone H2B. l) (H2B/l), HIST1H2BC; HIST1H2BE; HIST1H2BF; HIST1H2BG; HIST1H2BI, H2BFL; H2BFH; H2BFG; H2BFA; H2BFK

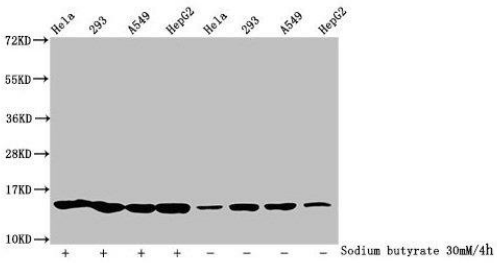
Immunogen:

Peptide sequence around site of Butyrly-Lys (5) derived from Human Histone H2B type 1-C/E/F/G/I.

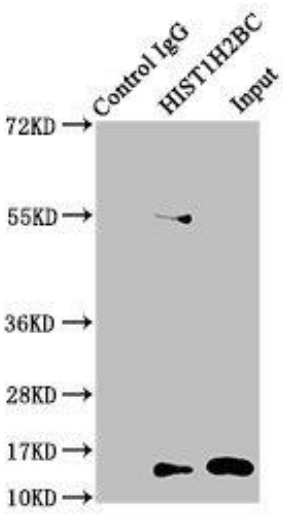
Storage:

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

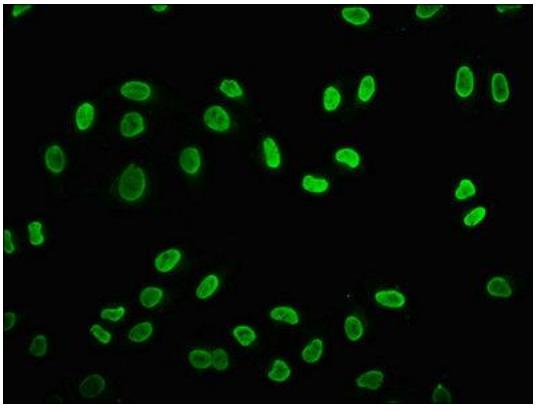
Product Images



Western Blot. Detected samples: Hela whole cell lysate, 293 whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate; Untreated (-) or treated (+) with 30mM sodium butyrate for 4h. All lanes: HIST1H2BC antibody at 1:100. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 14 kDa. Observed band size: 14 kDa.



Immunoprecipitating HIST1H2BC in HEK293 whole cell lysate. Lane 1: Rabbit control IgG instead of PACO60590 in HEK293 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000). Lane 2: PACO60590 (5µg) + HEK293 whole cell lysate (500µg). Lane 3: HEK293 whole cell lysate (20µg).



Immunofluorescence staining of Hela cells (treated with 30mM sodium butyrate for 4h) with PACO60590 at 1:15, 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).

