

Acetyl-HIST1H2BC (K15) Antibody



PACO60597

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IF, IP

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:2000,
IF:1:1-1:10, 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; H2BFB

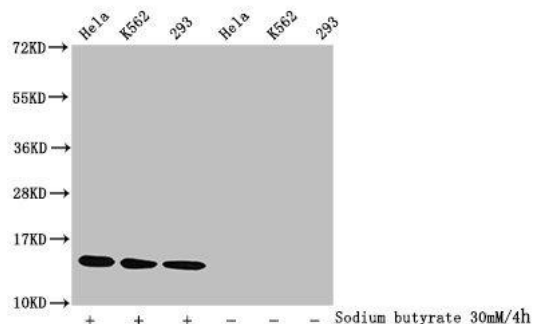
Immunogen:

Peptide sequence around site of Acetyl-Lys (15) derived from Human Histone H2B type 1-C/E/F/G/I.

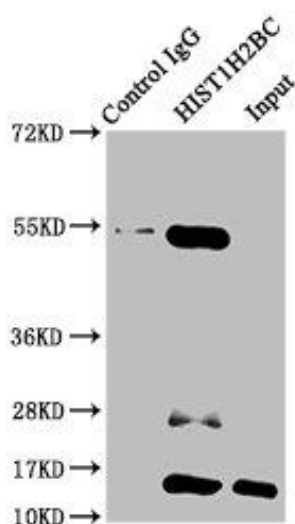
Storage:

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

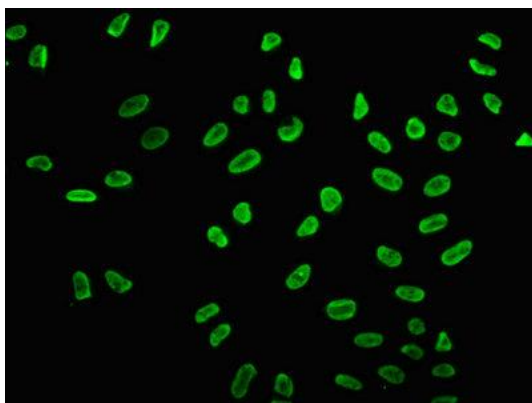
Product Images



Western Blot. Detected samples: HeLa whole cell lysate, K562 whole cell lysate, 293 whole cell lysate; Untreated (-) or treated (+) with 30mM sodium butyrate for 4h. All lanes: H1ST1H2BC antibody at 1:1000. Secondary: Goat polyclonal to rabbit IgG at 1/40000 dilution. Predicted band size: 14 kDa. Observed band size: 14 kDa.



Immunoprecipitating H1ST1H2BC in HepG2 whole cell lysate (treated with 30mM sodium butyrate for 4h). Lane 1: Rabbit control IgG instead of PACO60597 in HepG2 whole cell lysate (treated with 30mM sodium butyrate for 4h). For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000). Lane 2: PACO60597 (5µg) + HepG2 whole cell lysate (treated with 30mM sodium butyrate for 4h) (500µg). Lane 3: HepG2 whole cell lysate (treated with 30mM sodium butyrate for 4h) (20µg).



Immunofluorescence staining of HeLa cells (treated with 30mM sodium butyrate for 4h) with PACO60597 at 1:5, 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-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).