Acetyl-HIST1H2BC (K85) Antibody

PACO60488

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, ICC, ChIP

Recommended dilutions:

ELISA:1:2000-1:10000, ICC:1:1-1:10

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

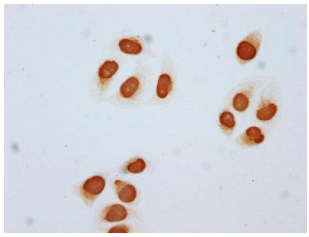
Immunogen:

Peptide sequence around site of Acetyl-Lys (85) derived from Human Histone H2B type 1-C/E/F/G/I.

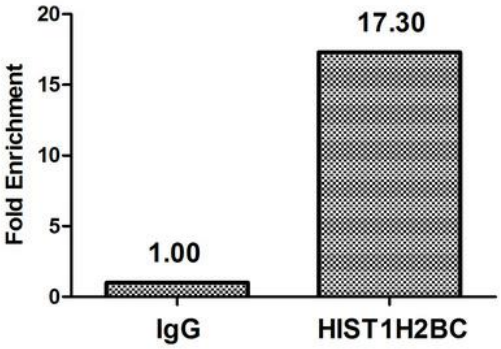
Storage:

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

Product Images



Immunocytochemistry analysis of PACO60488 diluted at 1:5 and staining in Hela cells (treated with 30mM sodium butyrate for 4h) 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.



Chromatin Immunoprecipitation Hela (10^6

, treated with 30mM sodium butyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5µg anti-HIST1H2BC (PACO60488) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the beta -Globin promoter.