

Anti-H2BK5ac Antibody

CATALOG NO.: A2053-100 (100 µl)

BACKGROUND DESCRIPTION: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H2B family. Transcripts from this gene lack poly A tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

ALTERNATE NAMES: Histone H2B type 1-B (Histone H2B.1) (Histone H2B.f) (H2B/f), HIST1H2BB, H2BFF

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: Acetylated peptide sequence targeting residues around Lysine 5 of human Histone H2B type 1-B

PURIFICATION: Antigen Affinity purified

FORM: Liquid

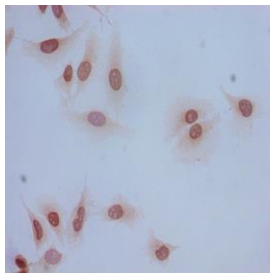
FORMULATION: In 0.01 M PBS, 50% glycerol, 0.03% proclin 300, pH 7.4

SPECIES REACTIVITY: Human

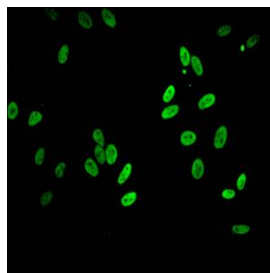
STORAGE CONDITIONS: Store at -20°C. Avoid freeze / thaw cycles

APPLICATIONS AND USAGE: ICC 1:20-1:200, IF 1:50-1:200

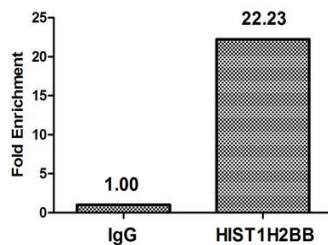
Note: This information is only intended as a guide. The optimal dilutions must be determined by the user



Immunocytochemistry analysis of HeLa cells using Anti-H2BK5ac antibody at dilution of 1:100.



Immunofluorescence analysis of HeLa cells using Anti-H2BK5ac antibody at dilution of 1:100 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG (H+L) was used as secondary antibody.



ChIP analysis of HeLa cells (4×10^6 , treated with 30 mM sodium butyrate for 4 hrs) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 8 μ g Anti-H2BK5ac antibody or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β -Globin promoter.

RELATED PRODUCTS:

Anti-Histone H2B Rabbit Monoclonal Antibody (A1144)

Anti-H2BK12me1 Antibody (A2048)

H2Bpan polyclonal antibody (6824)

Histone H2B Antibody (3622)

FOR RESEARCH USE ONLY! Not to be used on humans.