2-hydroxyisobutyryl-HIST1H2AG (K74) Antibody

PACO60566

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, ICC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:100-1:1000, ICC:1:20-1:200

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:

HIST1H2AG

Uniprot

P0C0S8

Synonyms:

Histone H2A type 1 (H2A.1) (Histone H2A/ptl), HIST1H2AG; HIST1H2AI; HIST1H2AK; HIST1H2AL; HIST1H2AM, H2AFP; H2AFC; H2AFD; H2AFI; H2AFN

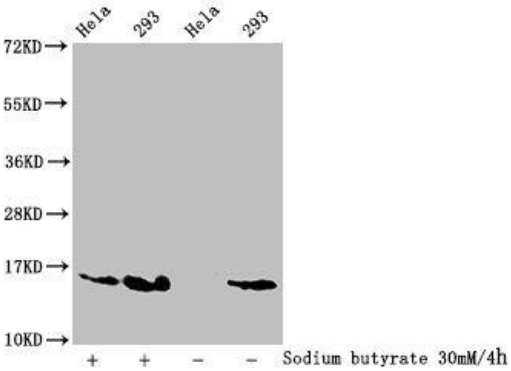
Immunogen:

Peptide sequence around site of 2-hydroxyisobutyryl-Lys (74) derived from Human Histone H2A type 1.

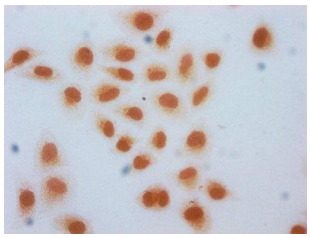
Storage:

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; Untreated (-) or treated (+) with 30mM sodium butyrate for 4h. All lanes: HIST1H2AG antibody at 1:100. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 15 kDa. Observed band size: 15 kDa.



Immunocytochemistry analysis of PACO60566 diluted at 1:40 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.

