

beta -hydroxybutyryl-HIST1H1D (K75) Antibody



PACO60591

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:1:10-1:100

Protein Background:

Histone H1 protein binds to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber. Histones H1 are necessary for the condensation of nucleosome chains into higher-order structured fibers. Acts also as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation.

Gene ID:

HIST1H1D

Uniprot

P16402

Synonyms:

Histone H1.3 (Histone H1c) (Histone H1s-2), HIST1H1D, H1F3

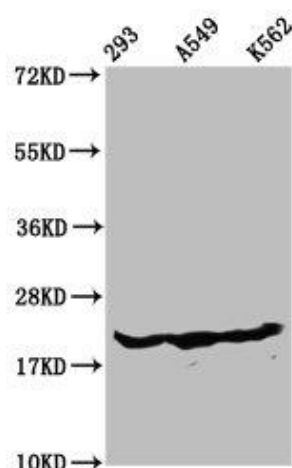
Immunogen:

Peptide sequence around site of β -hydroxybutyryl-Lys (75) derived from Human Histone H1.3.

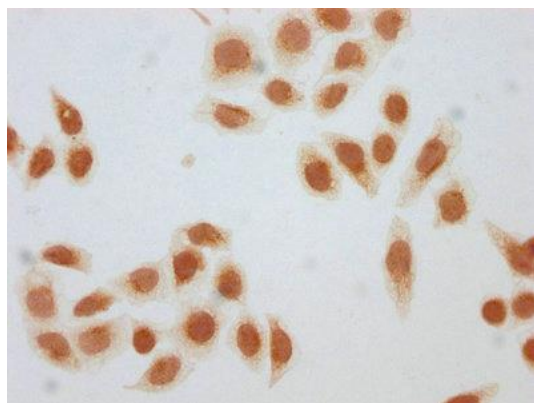
Storage:

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

Product Images



Western Blot. Positive WB detected in: 293 whole cell lysate, A549 whole cell lysate, K562 whole cell lysate (all treated with 30mM sodium butyrate for 4h). All lanes: H1ST1H1D antibody at 1.3µg/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 23 kDa. Observed band size: 23 kDa.



Immunocytochemistry analysis of PACO60591 diluted at 1:10 and staining in HeLa cells (treated with 50mM sodium 3-hydroxybutyrate for 4h) performed on a Leica Bond™ 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.