

Di-methyl-HIST1H1C (K45) Antibody



PACO60613

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, ICC, IP, CHIP

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:1000-1:5000,
ICC:1:10-1:100, IP:1:200-1:2000

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:

HIST1H1C

Uniprot

P16403

Synonyms:

Histone H1.2 (Histone H1c) (Histone H1d) (Histone H1s-1), HIST1H1C, H1F2

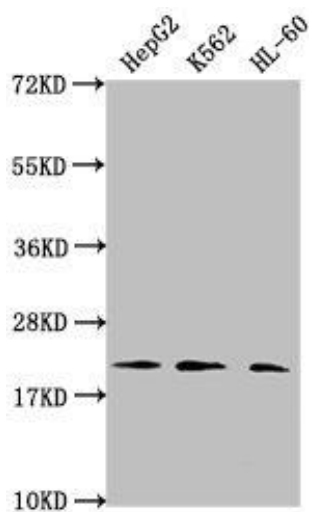
Immunogen:

Peptide sequence around site of Di-methyl-Lys (45) derived from Human Histone H1.2.

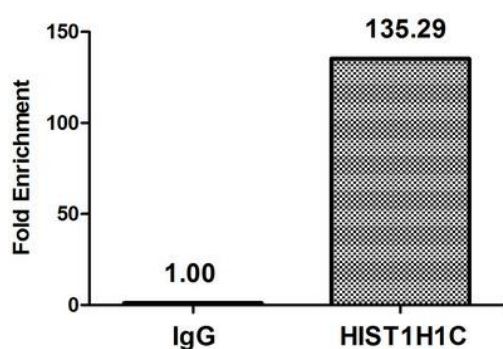
Storage:

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

Product Images

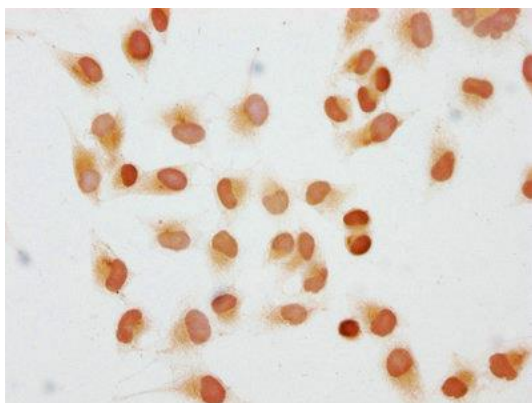


Western Blot. Positive WB detected in: HepG2 whole cell lysate, K562 whole cell lysate, HL60 whole cell lysate. All lanes: HIST1H1C antibody at 1:2000. Secondary. Goat polyclonal to rabbit IgG at 1/40000 dilution. Predicted band size: 22 kDa. Observed band size: 22 kDa.



Chromatin Immunoprecipitation HeLa (4×10^6)

) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5 μ g anti-HIST1H1C (PACO60613) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the beta -Globin promoter.



Immunocytochemistry analysis of PACO60613 diluted at 1:10 and staining in HeLa cells 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 $^{\circ}$ C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.