Mono-methyl-HIST1H1C (K186) Antibody

PACO56655

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IF, ChIP

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:2000, IF:1:1-1:10

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

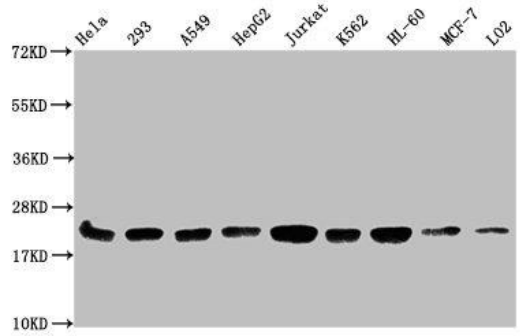
Immunogen:

Peptide sequence around site of Mono-methyl-Lys (186) derived from Human Histone H1.2.

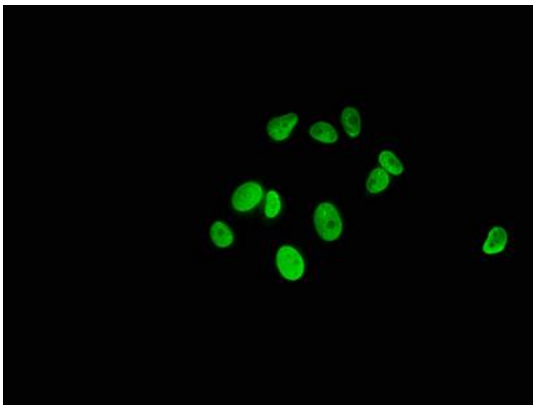
Storage:

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

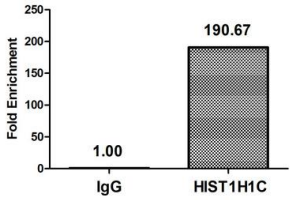
Product Images



Western Blot. Positive WB detected in: Hela whole cell lysate, 293 whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate, Jurkat whole cell lysate, K562 whole cell lysate, HL60 whole cell lysate, MCF-7 whole cell lysate, LO2 whole cell lysate. All lanes: HIST1H1C antibody at 1:500. Secondary. Goat polyclonal to rabbit IgG at 1/40000 dilution. Predicted band size: 22 kDa. Observed band size: 22 kDa.



Immunofluorescence staining of MCF-7 cells with PACO56655 at 1:5, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Chromatin Immunoprecipitation Hela (4*10^6

) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 8µg anti-HIST1H1C (PACO56655) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the beta -Globin promoter.

