

Phospho-HIST1H1D (T179) Antibody



PACO56708

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, IF, ChIP

Recommended dilutions:

ELISA:1:2000-1:10000, IF:1:20-1:200

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

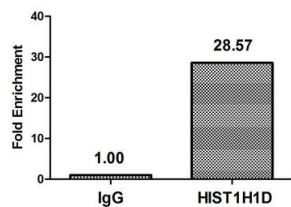
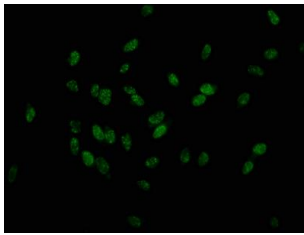
Immunogen:

Peptide sequence around site of Phospho-Thr (179) derived from Human Histone H1.3.

Storage:

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

Product Images



Immunofluorescence staining of HeLa cells with PACO56708 at 1:25, 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-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Chromatin Immunoprecipitation HeLa (4×10^6)

) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5µg anti-HIST1H1D (PACO56708) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the beta -Globin promoter.