HIST1H1C (Ab-45) Antibody

PACO60615

Product Information

Size:

50ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, ChIP

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:100-1:1000, IHC: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:

HIST1H1C

Uniprot

P16403

Synonyms:

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

Immunogen:

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

Storage:

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

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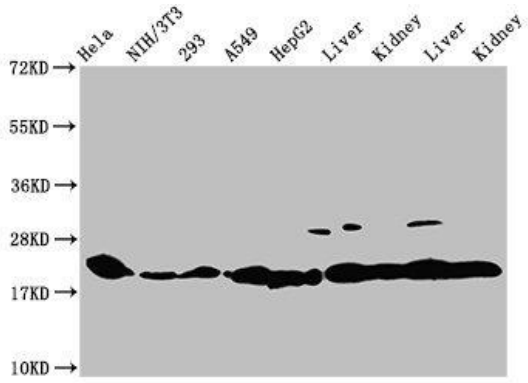
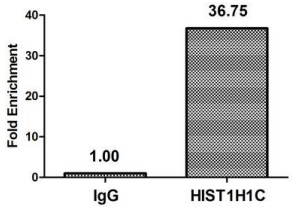
Product Images

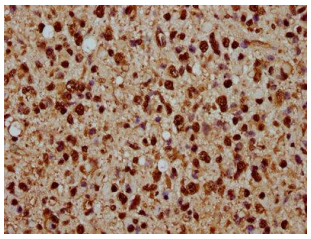


Western Blot. Positive WB detected in: Hela whole cell lysate, NIH/3T3 whole cell lysate, 293 whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate, Rat liver tissue, Rat kidney tissue, Mouse liver tissue, Mouse kidney tissue. All lanes: HIST1H1C antibody at 1:100. Secondary. Goat polyclonal to rabbit IgG at 1/50000 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 5µg anti-HIST1H1C (PACO60615) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the beta -Globin promoter.



IHC image of PACO60615 diluted at 1:20 and staining in paraffin-embedded human glioma performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was 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.

