

# HIST1H1C (Ab-164) Antibody



PACO56682

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## Product Information

**Size:**

50ul

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC, ChIP

**Recommended dilutions:**

ELISA:1:2000-1:10000, WB:1:50-1:500,  
IHC: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:**

HIST1H1C

**Uniprot**

P16403

**Synonyms:**

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

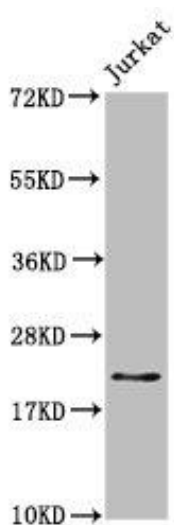
**Immunogen:**

Peptide sequence around site of Thr (164) derived from Human Histone H1.2.

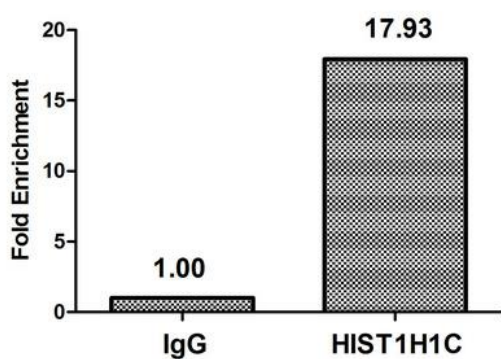
**Storage:**

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

## Product Images

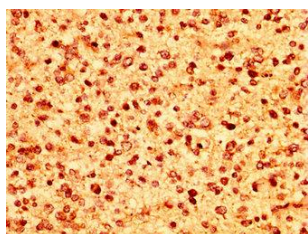


Western Blot. Positive WB detected in: Jurkat whole cell lysate. All lanes: HIST1H1C antibody at 1.7 $\mu$ g/ml. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 22 kDa. Observed band size: 22 kDa.



Chromatin Immunoprecipitation HeLa ( $4 \times 10^6$ )

) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5 $\mu$ g anti-HIST1H1C (PACO56682) 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 PACO56682 diluted at 1:50 and staining in paraffin-embedded human glioma performed on a Leica Bond<sup>TM</sup> 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 $^{\circ}$ C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.