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Datasheet for ABIN7139280

## anti-HIST1H1C antibody (2meLys45)

### 4 Images

#### Overview

Quantity:	100 µL
Target:	HIST1H1C
Binding Specificity:	2meLys45
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H1C antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Chromatin Immunoprecipitation (ChIP), Immunocytochemistry (ICC), Immunoprecipitation (IP)

#### Product Details

Immunogen:	Peptide sequence around site of Di-methyl-Lys (45) derived from Human Histone H1.2
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

#### Target Details

Target:	HIST1H1C
Alternative Name:	HIST1H1C ( <a href="#">HIST1H1C Products</a> )
Background:	Background: Histone H1 protein binds to linker DNA between nucleosomes forming the

## Target Details

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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 (By similarity).

Aliases: H1 histone family member 2 antibody, H1.a antibody, H12\_HUMAN antibody, H1F2 antibody, H1s-1 antibody, HIST1H1C antibody, Histone 1 H1c antibody, Histone cluster 1 H1c antibody, Histone H1.2 antibody, Histone H1c antibody, Histone H1d antibody, Histone H1s-1 antibody, MGC3992 antibody

UniProt: [P16403](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:1000-1:5000, ICC:1:10-1:100, IP:1:200-1:2000,

Restrictions: For Research Use only

## Handling

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Format: Liquid

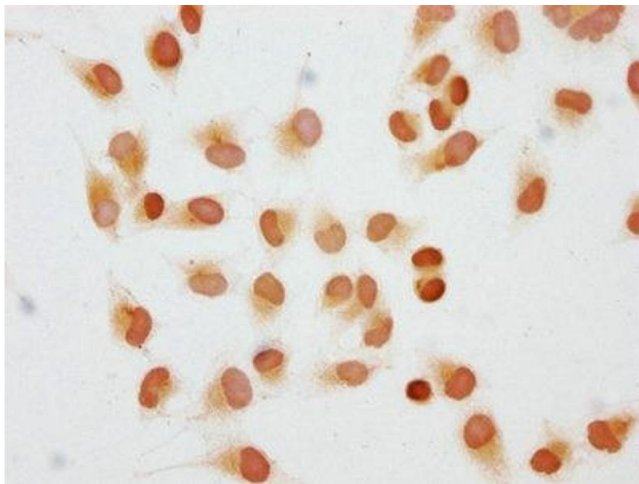
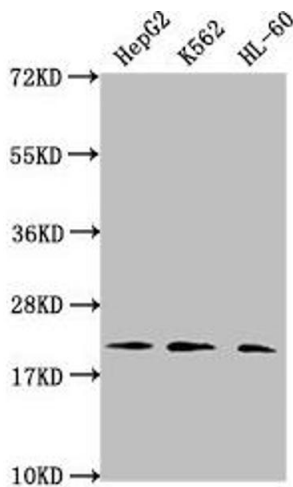
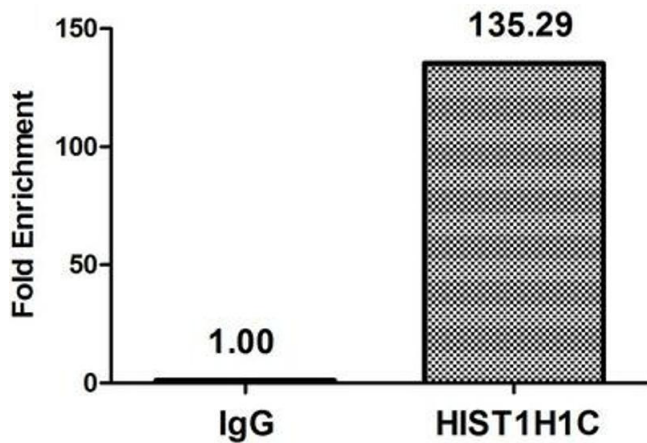
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### Immunohistochemistry

**Image 1.** Chromatin Immunoprecipitation Hela ( $4 \times 10^6$ ) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5  $\mu$ g anti-HIST1H1C (ABIN7139280) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the  $\beta$ -Globin promoter.

### Western Blotting

**Image 2.** 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

### Immunocytochemistry

**Image 3.** Immunocytochemistry analysis of ABIN7139280 diluted at 1:10 and staining in Hela cells performed on a Leica Bond<sup>TM</sup> 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°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7139280.