

# Histone H4 antibody - ChIP grade

**Cat. No. GTX60345**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, ELISA, ChIP assay
<b>Reactivity</b>	Human

**Package**  
50 µg

## Applications

### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent
ELISA	Assay dependent
ChIP assay	Assay dependent

Not tested in other applications.

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	0.05% Sodium azide, 0.05% ProClin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1.3 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Histone H4 using a KLH-conjugated synthetic peptide containing an unmodified sequence from the central part of the protein.
<b>Purification</b>	Purified by affinity chromatography
<b>Conjugation</b>	Unconjugated

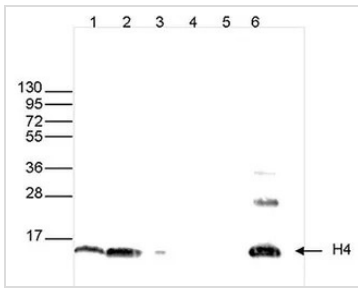
### Note

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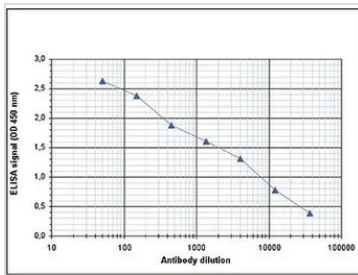


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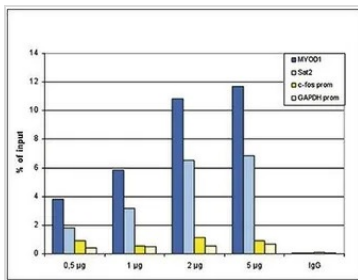
**DATA IMAGES**

**GTX60345 WB Image**

WB analysis of whole cell extracts (25 µg, lane 1) and histone extracts (15 µg, lane 2) from HeLa cells, and on 1 µg of recombinant histone H2A, H2B, H3 and H4 (lane 3, 4, 5 and 6, respectively) using GTX60345 Histone H4 antibody - ChIP grade.

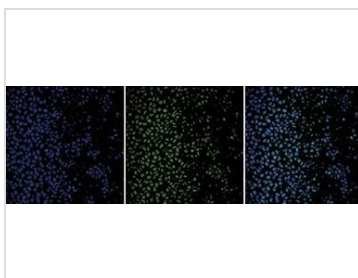
Dilution : 1:1,000


**GTX60345 ELISA Image**

ELISA analysis of peptides used for immunization using GTX60345 Histone H4 antibody - ChIP grade.


**GTX60345 ChIP assay Image**

ChIP analysis of sheared chromatin from  $10^6$  HeLa cells using GTX60345 Histone H4 antibody - ChIP grade. A titration consisting of 0.5, 1, 2 and 5 µg of antibody per ChIP experiment was analyzed. IgG (1 µg/IP) was used as a negative IP control. Quantitative PCR was performed with primers specific for the promoters of the active GAPDH and c-fos genes, and for the inactive MYOD1 gene and the Sat2 satellite repeat. This figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).


**GTX60345 ICC/IF Image**

ICC/IF analysis of 4% paraformaldehyde fixed HeLa cells using GTX60345 Histone H4 antibody - ChIP grade.  
Green : Primary antibody  
Blue : DAPI

Dilution : 1:1000



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