

# Histone H3 antibody

**Cat. No. GTX122148**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Application</b>	WB, ICC/IF, IHC-P, IP, ChIP assay, IHC
<b>Reactivity</b>	Human, Mouse, Rat, Drosophila, Pig, Monkey, Fungi, Golden Syrian Hamster, Rice

Reference ( 69 )

★★★★★ Review ( 9 )

Package

100 µl, 25 µl

## PRODUCT

### Summary

Histone H3 antibody detects histone H3, a core component of the histone octamer in the context of the nucleosome. Like other histones, H3 is posttranslationally modified to impact epigenetic gene regulation. It is also highly conserved in eukaryotes, and therefore is used as an internal control for western blots or as a nuclear marker when conducting immunostaining.

## APPLICATION

### Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:10000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IP	1:100-1:500
ChIP assay	Assay dependent
IHC	Assay dependent

Not tested in other applications.

## PROPERTIES

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Preservative</b>	0.025% 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>	0.9 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human Histone H3. The exact sequence is proprietary.



For full product information, images and publications, please visit our [website](#).

**Purification**

Purified by antigen-affinity chromatography.

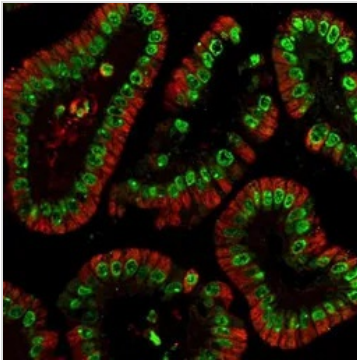
**Conjugation**

Unconjugated

**Note**

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

**DATA IMAGES**

**GTx122148 IHC-P Image**

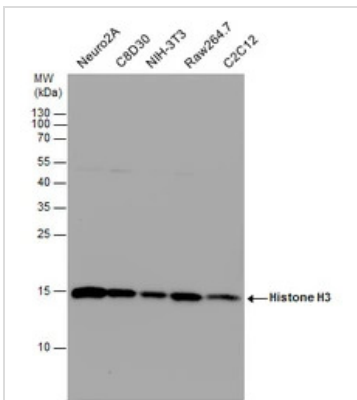
Histone H3 antibody detects Histone H3 protein at nucleus in mouse colon by immunohistochemical analysis.

Sample: Paraffin-embedded mouse colon.

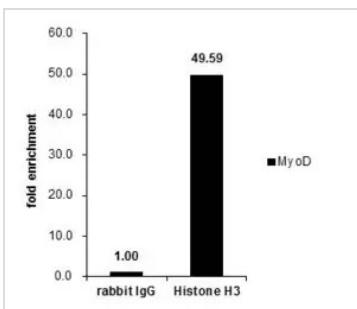
Green: Histone H3 antibody (GTx122148) diluted at 1:500.

Red: alpha Tubulin antibody [GT114] (GTx628802) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


**GTx122148 WB Image**

Histone H3 antibody detects Histone H3 protein by western blot analysis. Various whole cell extracts (30 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with Histone H3 antibody (GTx122148) diluted at a dilution of 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.


**GTx122148 ChIP assay Image**

Cross-linked ChIP was performed with HeLa chromatin extract and 5 µg of either control rabbit IgG or anti-Histone H3 antibody. The precipitated DNA was detected by PCR with primer set targeting to MyoD.



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