

Histone H3 antibody

Cat. No. GTX122148

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

References (80)

★★★★★ Review (10)

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.

Applications

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.

Product Note

KO/KD validation is based on published data (PMID: 35434046).

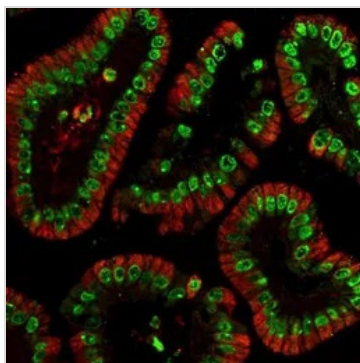
Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	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.
Concentration	0.82 mg/ml (Please refer to the vial label for the specific concentration.)



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Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human Histone H3. The exact sequence is proprietary.
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

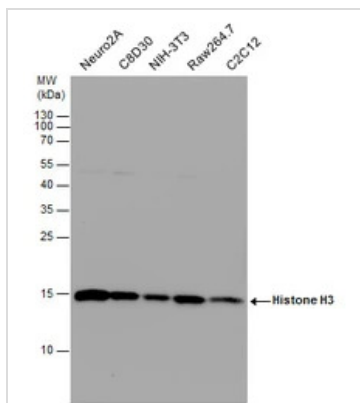
Histone H3 antibody detects Histone H3 protein at nucleus in mouse colon by immunohistochemical analysis.

Sample: Paraffin-embedded mouse colon.

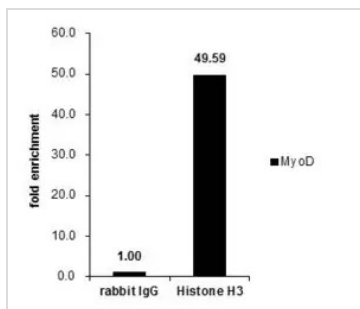
Green: Histone H3 antibody (GTX122148) diluted at 1:500.

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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