

Histone H3 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Fruit fly, Fungi, Hamster, Human, Mouse, Non-human primate, Plant, Rat
Published Species	Yeast, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to a region within amino acids 1 and 66 of Histone H3
Form	Liquid
Concentration	0.9 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 1% BSA, 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2549427

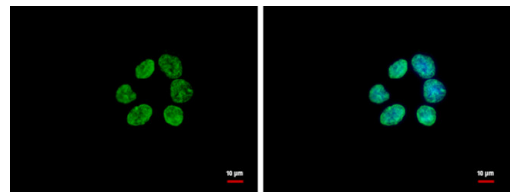
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:10,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	1 Publication
Immunoprecipitation (IP)	1:100-1:500	-
ChIP assay (ChIP)	Assay-dependent	1 Publication

Product Specific Information

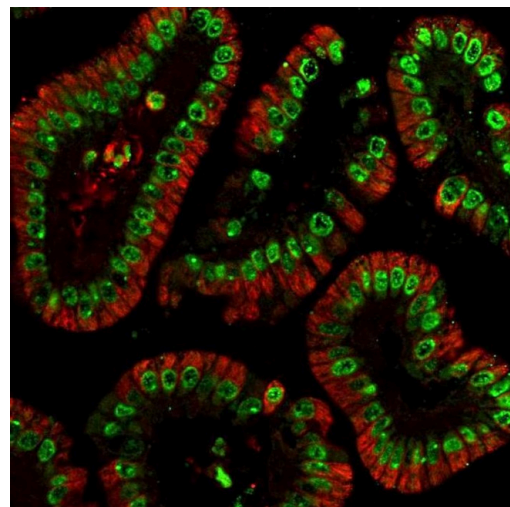
Recommended positive controls: 293T, A431, HeLa, HepG2, PC-12, Rat2, Neuro 2A, C8D30, NIH-3T3, Raw264.7, C2C12.

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

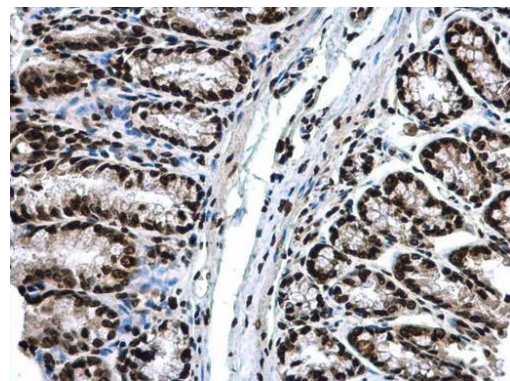
Product Images For Histone H3 Polyclonal Antibody



Histone H3 Antibody (PA5-31954) in ICC/IF
Histone H3 Polyclonal Antibody detects Histone H3 protein at nucleus by immunofluorescent analysis. Sample: A431 cells were fixed in ice-cold MeOH for 5 min. Green: Histone H3 protein stained by Histone H3 Polyclonal Antibody (Product # PA5-31954) diluted at 1:500. Blue: Hoechst 33342 staining.



Histone H3 Antibody (PA5-31954) in IHC (P)
Immunohistochemistry (Paraffin) analysis of Histone H3 was performed in paraffin-embedded mouse colon tissue using Green: SLIT2 Polyclonal Antibody (Product # PA5-31133) at a dilution of 1:500. Red: alpha Tubulin antibody diluted at 1:500.



Histone H3 Antibody (PA5-31954) in IHC (P)
Immunohistochemistry (Paraffin) analysis of Histone H3 was performed in paraffin-embedded mouse colon tissue using Histone H3 Polyclonal Antibody (Product # PA5-31954) at a dilution of 1:500.

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Western Blot (1)

Current biology : CB

Homeostatic Control of Meiotic Prophase Checkpoint Function by Pch2 and Hop1.

"PA5-31954 was used in Western Blot to investigate the checkpoint roles of Pch2 and its connection to Hop1, a HORMA domain-containing client protein."

Authors: Raina VB,Vader G

Year
2020

Species
Yeast

Dilution
1:1000

Immunocytochemistry (1)

Frontiers in immunology

Neutrophil Extracellular Traps Induce the Epithelial-Mesenchymal Transition: Implications in Post-COVID-19 Fibrosis.

"PA5-31954 was used in Immunocytochemistry to highlight the possible mechanism that can induce lung fibrosis after SARS-CoV2 infection."

Authors: Pandolfi L,Bozzini S,Frangipane V,Percivalle E,De Luigi A,Viollato MB,Lopez G,Gabanti E,Carsana L,D'Amato M,Morosini M,De Amici M,Nebuloni M,Fossali T,Colombo R,Saracino L,Codullo V,Gnecchi M,Bigini P,Baldanti F,Lilleri D,Meloni F

Year
2021

Species
Human

Dilution
1:100

ChIP assay (1)

PLoS pathogens

The KAT5-Acetyl-Histone4-Brd4 axis silences HIV-1 transcription and promotes viral latency.

"Published figure using Histone H3 polyclonal antibody (Product # PA5-31954) in ChIP assay"

Authors: Li Z,Mbonye U,Feng Z,Wang X,Gao X,Karn J,Zhou Q

Year
2018

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