Anti-Histone H3 (acetyl Lys27) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014314

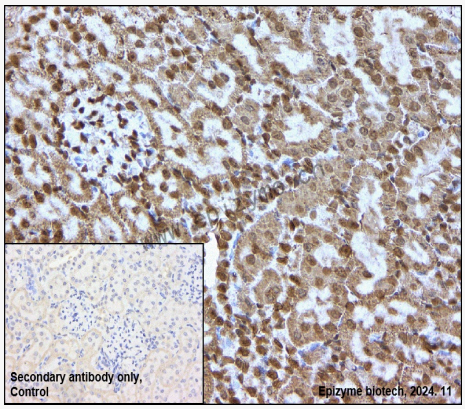
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	57F78H70
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from Histone H3 (acetyl K27)
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20℃. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20℃ storage.
Precautions	Anti-Histone H3 (acetyl Lys27) Rabbit mAb [57F78H70] is for research use only and not for use in diagnostic or therapeutic procedures.

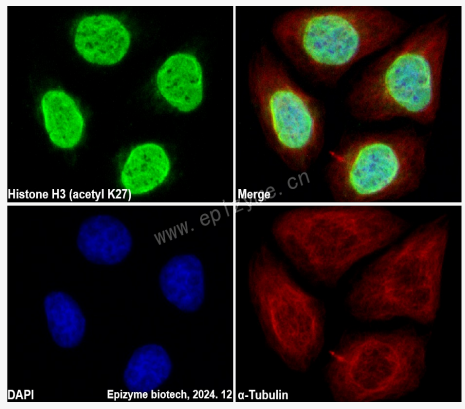
Protein Information

Synonyms	H3 histone family member E pseudogene, H3 histone family, member A, H3/A, H31_HUMAN, H3F3, H3FA, Hist1h3a, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J, HIST3H3, histone 1, H3a, Histone cluster 1, H3a, Histone H3 3 pseudogene, Histone H3.1, Histone H3/a, Histone H3/b, Histone H3/c, Histone H3/d, Histone H3/f, Histone H3/h, Histone H3/i, Histone H3/j, Histone H3/k, Histone H3/l.
Calculated MW	Calculated MW: 15 kDa; Observed MW: 17 kDa
Uniprot ID	P68431, P84243, Q16695, Q6NXT2, Q71DI3
Gene ID	8350, 3020, 8290, 440093, 333932
Background	Belongs to the histone H3 family. Play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.
Cellular Location	Nucleus. Chromosome.

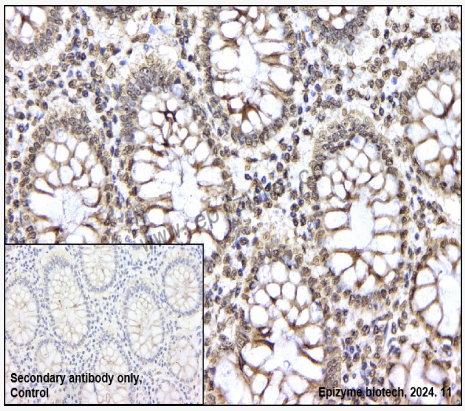
Validation Images



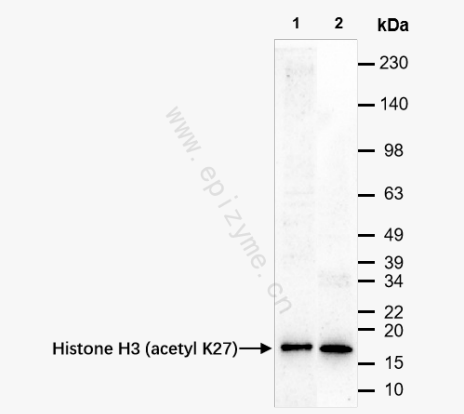
Immunohistochemistry - Anti-Histone H3 (acetyl Lys27) Rabbit mAb [57F78H70]
Sample: Paraformaldehyde-fixed, paraffin embedded rat kidney tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014314 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-Histone H3 (acetyl Lys27) Rabbit mAb [57F78H70]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R014314 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-Histone H3 (acetyl Lys27) Rabbit mAb [57F78H70]
Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014314 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Western Blot - Anti-Histone H3 (acetyl Lys27) Rabbit mAb [57F78H70]
All lanes: R014314 at 1:1,000 dilution
Lane 1: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 2: Rat spleen whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 15 kDa
Observed band size: 17 kDa
Developed using the ECL technique (Cat. No. SQ201).