

Histone H3 Nuclear Loading Control Antibody (6Z247)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat(predicted:Bee,Hamster,Yeast)
Molecular Weight:	Theoretical: 15 kDa. Actual: 15 kDa.
Clone:	6Z247
Purification:	Protein G purified

Applications

Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded (rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Histone H3 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-00865) at 1:500 overnight at 4°C, followed by a conjugated Goat Anti-Mouse IgG antibody (YF488) for 90 minutes, and DAPI for nucleus staining.
2. Paraformaldehyde-fixed, paraffin embedded (mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Histone H3 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-00865) at 1:300 overnight at 4°C, followed by a conjugated Goat Anti-Mouse IgG antibody (YF488) for 90 minutes, and DAPI for nucleus staining.
3. Paraformaldehyde-fixed, paraffin embedded (Rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Histone H3/HIST3H3) Monoclonal Antibody, Unconjugated (TMAB-00865) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 90 minutes, and DAPI for nucleus staining.
4. Paraformaldehyde-fixed, paraffin embedded (human colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Histone H3 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-00865) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Histone H3 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-00865) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
6. 25 µg total protein per Lane of various lysates probed with Histone H3 monoclonal antibody, unconjugated (TMAB-00865) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.
15. Paraformaldehyde-fixed, paraffin embedded Mouse Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded Rat Testicles; Antigen retrieval by boiling in

sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

8. Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

18. Paraformaldehyde-fixed, paraffin embedded Mouse Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

9. Paraformaldehyde-fixed, paraffin embedded Rat Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

10. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

11. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

12. Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

13. Paraformaldehyde-fixed, paraffin embedded Rat Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

14. Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

15. Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

16. Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

17. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

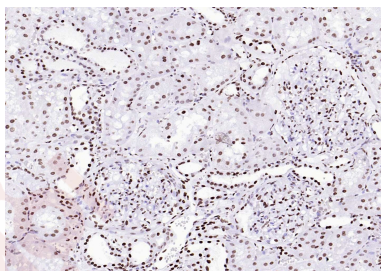
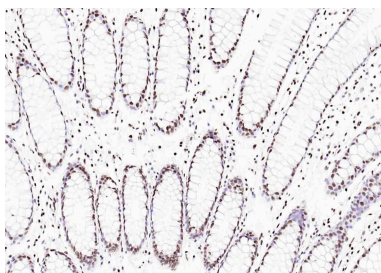
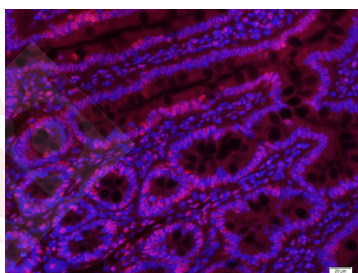
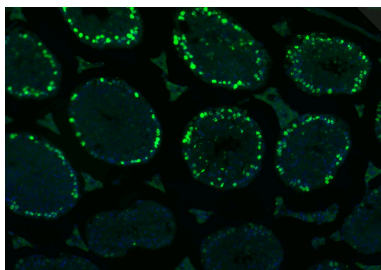
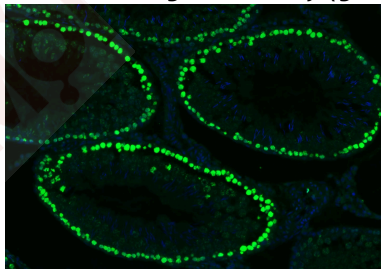
18. Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

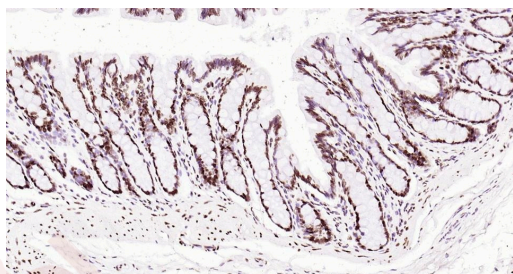
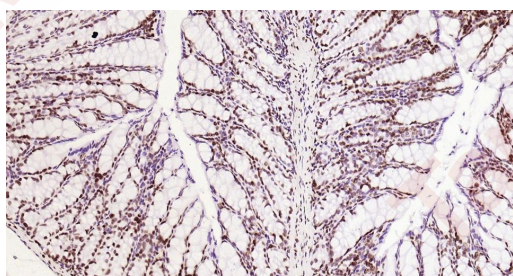
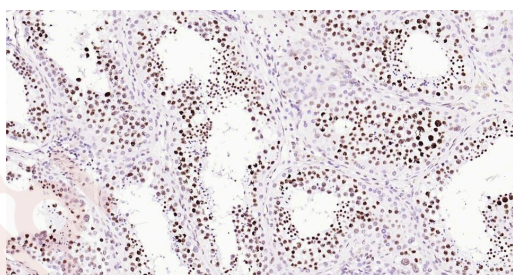
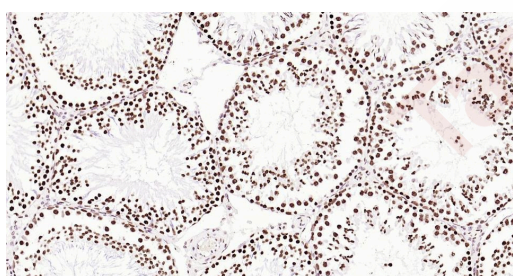
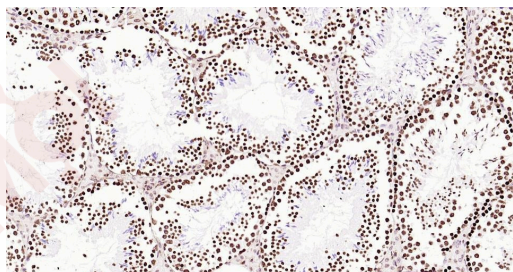
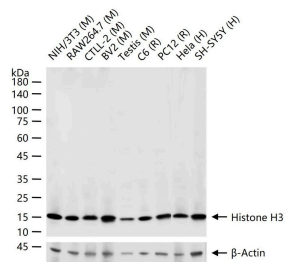
19. Paraformaldehyde-fixed, paraffin embedded Human Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3

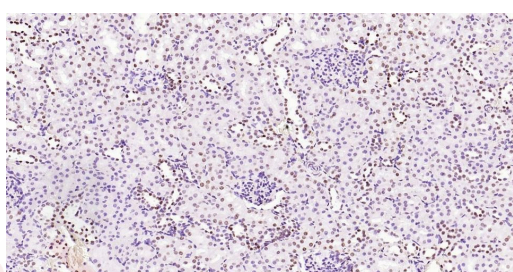
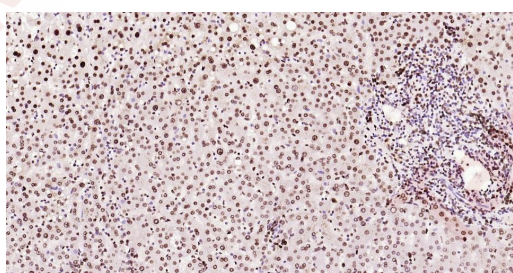
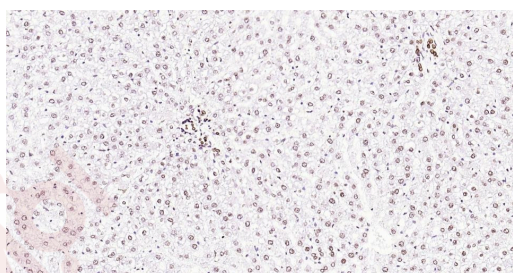
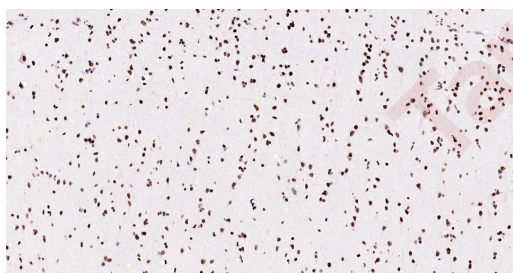
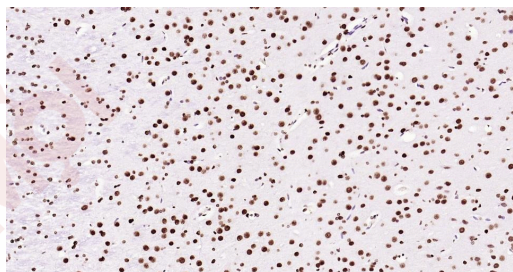
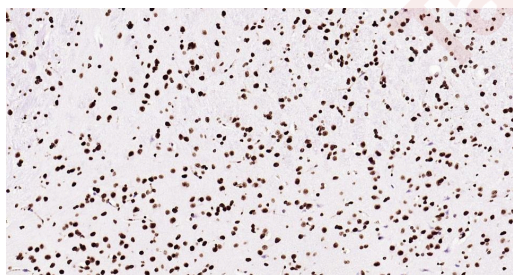
Monoclonal Antibody, Unconjugated (ascites of TMAB-00865) at 1:1500 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

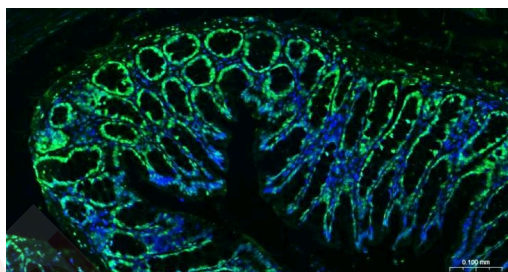
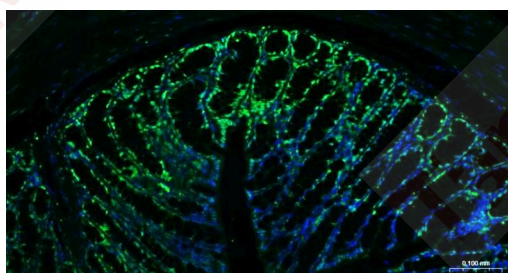
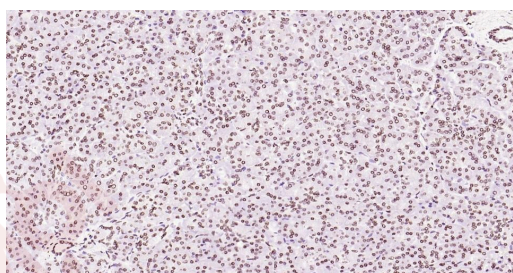
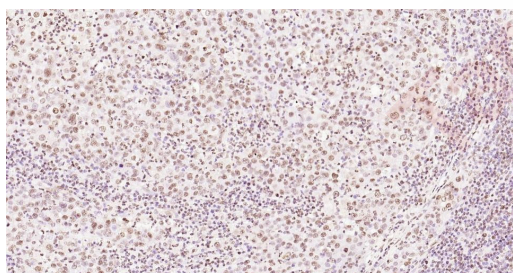
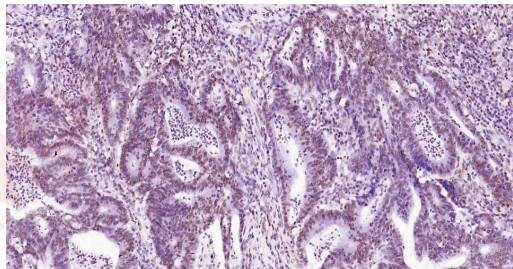
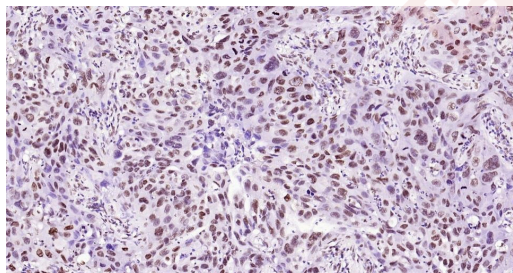
20. Paraformaldehyde-fixed, paraffin embedded Mouse Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (TMAB-00865) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (green), DAPI (blue) was used to stain the cell nucleus.

21. Paraformaldehyde-fixed, paraffin embedded Rat Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (TMAB-00865) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (green), DAPI (blue) was used to stain the cell nucleus.









Application: WB,IHC-P,IHC-F,IF,ChIP

Recommended WB=1:2000-20000,IHC-P=1:1000-2000,IHC-F=1:1000-2000,IF=1:100-500,ChIP=5μg/IP

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Histone H3

Antigen Species: Human

Gene ID: 8350

Uniprot ID: P68431

Synonyms: Histone H3/c;H3 histone family, member A;H3C8;H3C11;HIST1H3E;HIST1H3B;Histone H3/d;HIST1H3C;HIST1H3G;Hist1h3a;Histone H3/k;H3C7;H3C1;Histone H3/f;H3/A;H3C12;Histone H3/a;H3FD;H3 histone family member E pseudogene;Histone H3/b;Histone H3/h;H31;HIST3H3;H3C2;HIST1H3H;H3C4;HIST1H3F;Histone H3.1;Histone H3/i;H3C10;HIST1H3I;H3C3;H3/d;Histone H3/j;histone 1, H3a;H3F3;H3.1;HIST1H3J;HIST1H3D;H3FA;Histone cluster 1, H3a;Histone H3 3 pseudogene;Histone H3/l

Biology Area: CHIP antibodies,Methylated

Research Background

Modulation of the chromatin structure plays an important role in the regulation of transcription in eukaryotes. The nucleosome, made up of four core histone proteins (H2A, H2B, H3 and H4), is the primary building block of chromatin. The N-terminal tail of core histones undergoes different posttranslational modifications including acetylation, phosphorylation and methylation. These modifications occur in response to cell signal stimuli and have a direct effect on gene expression. In most species, the histone H2B is primarily acetylated at lysines 5, 12, 15 and 20. Histone H3 is primarily acetylated at lysines 9, 14, 18 and 23. Acetylation at lysine 9 appears to have a dominant role in histone deposition and chromatin assembly in some organisms. Phosphorylation at Ser10 of histone H3 is tightly correlated with chromosome condensation during both mitosis and meiosis.

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