

Anti-Histone H2A.X Antibody (7K874)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 16 kDa. Actual: 15 kDa.
Clone:	7K874
Purification:	Protein A purified

Applications

Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded Rat Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded Mouse Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Human Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Rat Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Mouse Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded Rat Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded Mouse Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
8. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
9. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

10. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
11. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
12. Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
13. Paraformaldehyde-fixed, paraffin embedded Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
14. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
15. Paraformaldehyde-fixed, paraffin embedded Rat Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
16. Paraformaldehyde-fixed, paraffin embedded Mouse Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
17. Paraformaldehyde-fixed, paraffin embedded Rat Stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
18. Paraformaldehyde-fixed, paraffin embedded Mouse Stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
19. Paraformaldehyde-fixed, paraffin embedded Human Stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
20. Paraformaldehyde-fixed, paraffin embedded Human Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
21. Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H2A.X Monoclonal Antibody, Unconjugated (TMAB-07067) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
22. 25 ug total protein per lane of various lysates (see on figure) probed with Histone H2A.X monoclonal antibody, unconjugated (TMAB-07067) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.

A DRUG SCREENING EXPERT

Application: IF,IHC-Fr,IHC-P,WB

Recommended IF=1:200-1000; IHC-Fr=1:200-1000; IHC-P=1:200-1000; WB=1:500-2000

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthesized peptide: human Histone H2A.X

Antigen Species: Human

Gene ID: 3014

Uniprot ID: P16104

Research Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. [provided by RefSeq, Jul 2008].

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