

## Anti-Phospho-H2AFX (Ser139) Antibody (2T270)

### Product Details

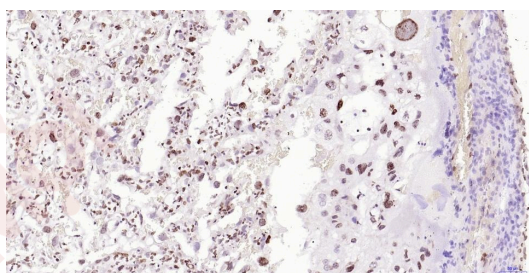
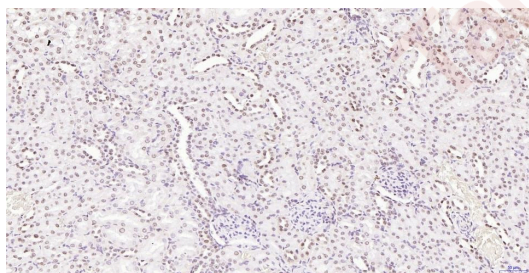
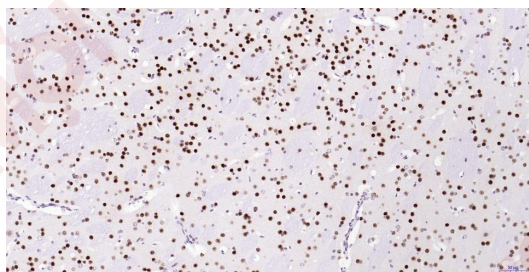
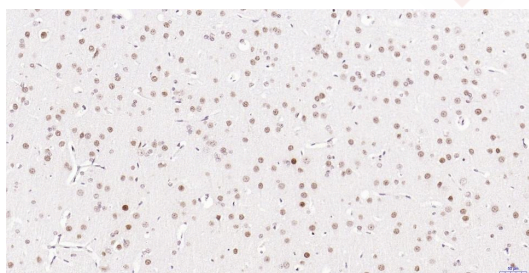
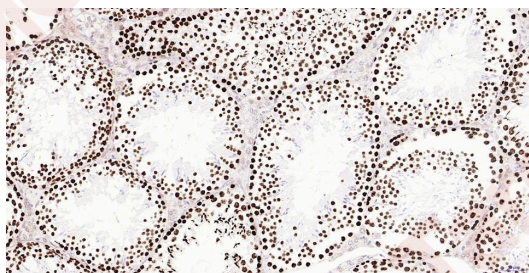
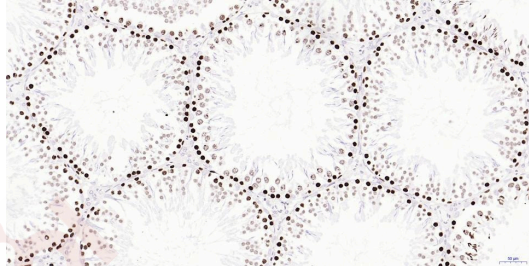
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 16 kDa. Actual: 15 kDa.
Clone:	2T270
Purification:	Protein A purified

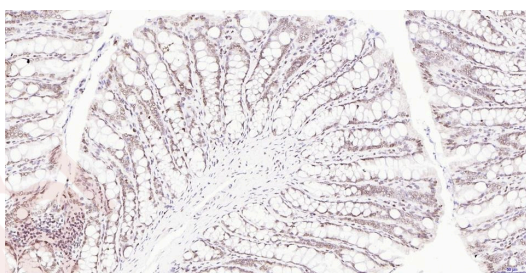
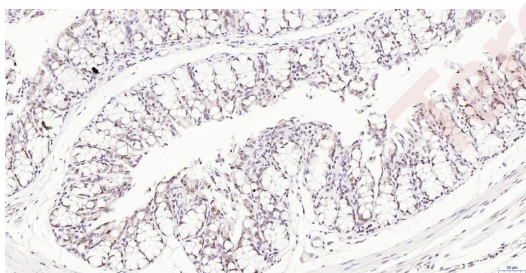
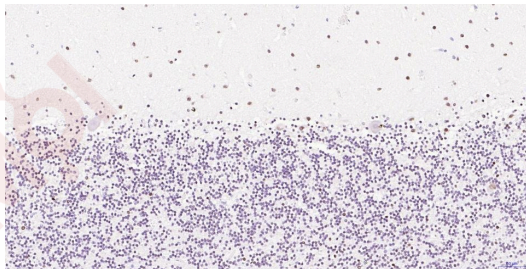
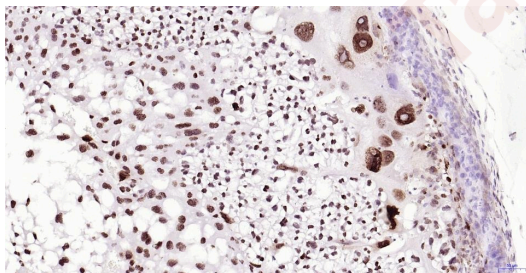
### Applications

#### Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded Rat Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-H2AX (Ser139) Monoclonal Antibody, Unconjugated (TMAB-01419) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded Mouse Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-H2AX (Ser139) Monoclonal Antibody, Unconjugated (TMAB-01419) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-H2AX (Ser139) Monoclonal Antibody, Unconjugated (TMAB-01419) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-H2AX (Ser139) Monoclonal Antibody, Unconjugated (TMAB-01419) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-H2AX (Ser139) Monoclonal Antibody, Unconjugated (TMAB-01419) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded Rat Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-H2AX (Ser139) Monoclonal Antibody, Unconjugated (TMAB-01419) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded Mouse Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-H2AX (Ser139) Monoclonal Antibody, Unconjugated (TMAB-01419) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
8. Paraformaldehyde-fixed, paraffin embedded Human Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-H2AX (Ser139) Monoclonal Antibody, Unconjugated (TMAB-01419) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
9. Paraformaldehyde-fixed, paraffin embedded Mouse Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-H2AX (Ser139) Monoclonal Antibody, Unconjugated (TMAB-01419) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

10. Paraformaldehyde-fixed, paraffin embedded Rat Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-H2AX (Ser139) Monoclonal Antibody, Unconjugated (TMAB-01419) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.





Application: IF,IHC-Fr,IHC-P  
Recommended IHC-P: 1:50-200; IHC-Fr: 1:50-200; IF: 1:50-200

### 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: A synthesized peptide: human Histone H2A.X around the phosphorylation site of S139  
Antigen Species: Human  
Gene ID: 3014  
Uniprot ID: P16104  
Synonyms: Histone H2AX (p-S139);Phospho-Histone H2AX (S139);p-Histone H2AX (S139);Histone H2AX (p-Ser139);p-Histone H2AX (Ser139)  
Biology Area: ChIP antibodies,DNA Damage Recognition,Unmodified,Variants

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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