Data Sheet (Cat.No.TMAC-01850)

Anti-H2AFX Antibody (1G393)

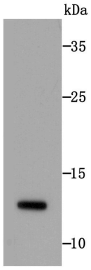
Product Details

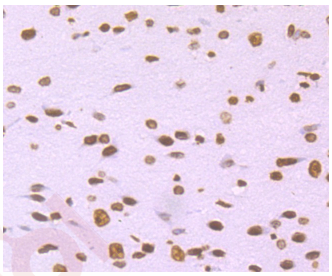
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Clone:	1G393
Purification:	ProA affinity purified

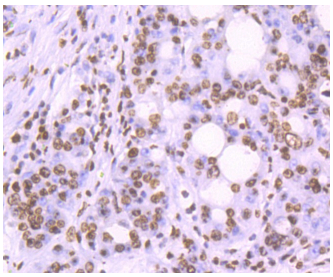
Applications

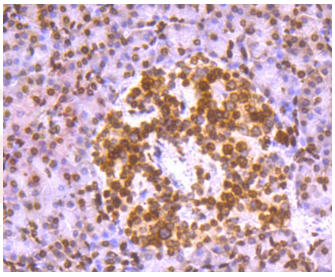
Verified Activity:

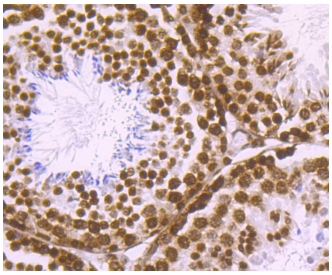
1. Western blot analysis of Histone H2A.X on MCF-7 cell lysates using anti-Histone H2A.X antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Histone H2A.X antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue using anti-Histone H2A.X antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-Histone H2A.X antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Histone H2A.X antibody. Counter stained with hematoxylin.
6. IF analysis of paraffin-embedded human pancreas tissue using anti-Histone H2A.X antibody (green). The nuclear counter stain is DAPI (blue).
7. IF analysis of paraffin-embedded mouse testis tissue using anti-Histone H2A.X antibody (green). The nuclear counter stain is DAPI (blue).
8. IF analysis of paraffin-embedded rat brain tissue using anti-Histone H2A.X antibody (green). The nuclear counter stain is DAPI (blue).

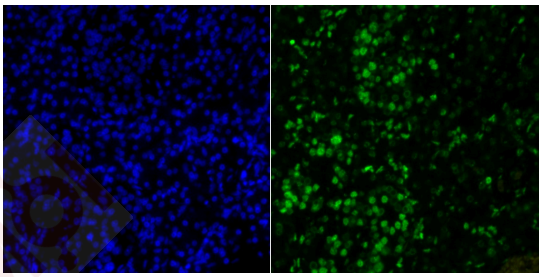


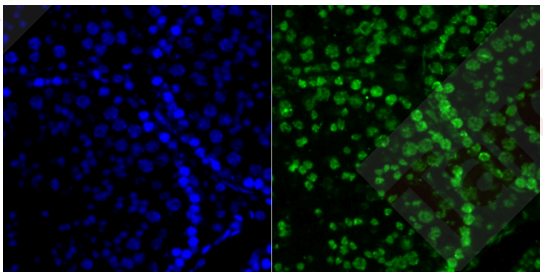


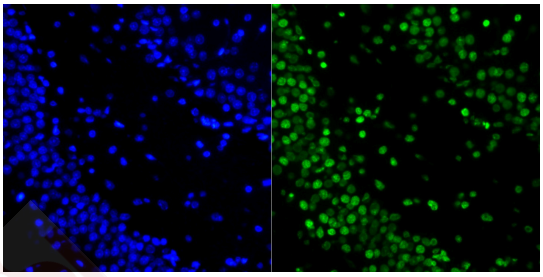












Application: ICC/IF,IHC,IP,WB

Recommended WB: 1:500-2000; IHC: 1:100-500; IP: 1:10-50

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: Recombinant Protein

Uniprot ID: P16104

Synonyms: H2AFX;Histone H2A.X;H2AX;H2a/x;Histone H2AX

Research Background

Histone H2A.X is a member of the Histone H2A family, which is involved in nucleosomal organization of chromatin. The H2AFX gene is located in close proximity to the Porphobilinogen deaminase (PBG-D) gene in both mouse and human, and maps to chromosome 9 and 11q23, respectively. H2A.X meets from the other members of the H2A family by the presence of a highly conserved C-terminal motif. It is wide phosphorylated in response to ionizing radiation and plays an important role in the recognition and repair of DNA fragments are involved in the heavy chain constant region of cells involved in class switch recombination (CSR), a region-specific DNA reaction that replaces one immunoglobulin heavy chain constant region gene with another. The phosphorylated γ-H2A.X is also thought to firing new grades factors, including Rad50, Rad51 and BRCA1.

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