

Histone H2A.X Rabbit mAb

Catalog No: #49687

Package Size: #49687-1 50ul #49687-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

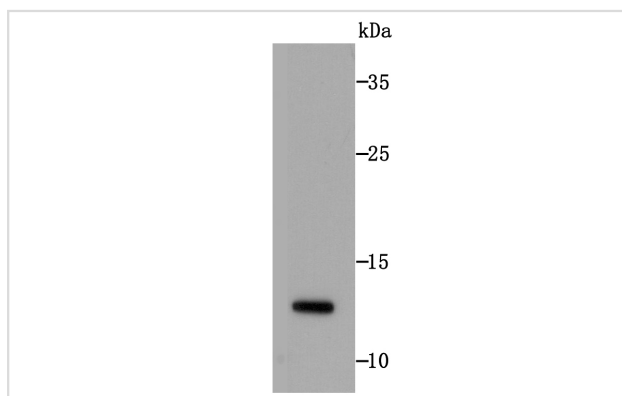
Description

Product Name	Histone H2A.X Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Purification	ProA affinity purified
Applications	WB, IF/ICC, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	AW228881 antibody H2A histone family member X antibody H2A.FX antibody H2A.X antibody H2a/x antibody H2AFX antibody H2AX antibody H2AX histone antibody H2AX_HUMAN antibody Hist5.2ax antibody Histone 2A antibody Histone 2AX antibody Histone H2A.X antibody Histone H2AX antibody RGD1566119 antibody
Accession No.	Swiss-Prot#:P16104
Uniprot	P16104
GeneID	3014;
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

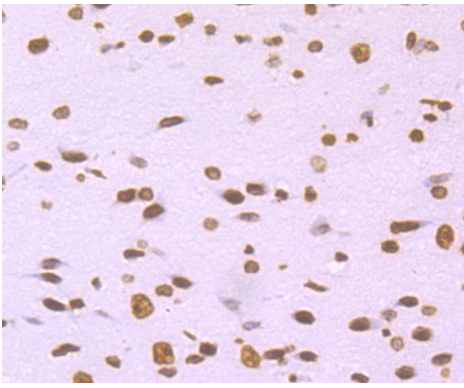
Application Details

WB: 1500-12000 IHC: 1:100-1:500 IP: 1:10-1:50

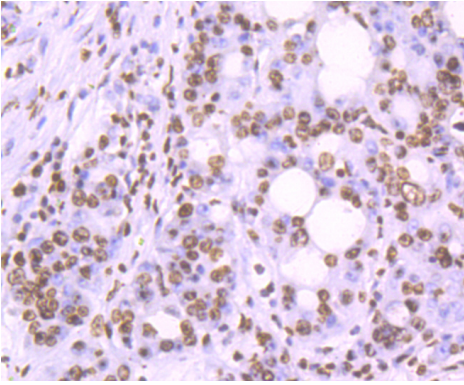
Images



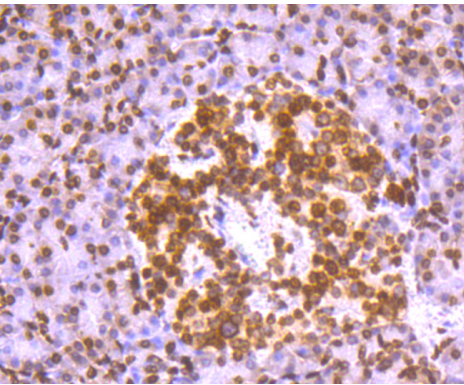
Western blot analysis of Histone H2A.X on MCF-7 cell lysates using anti-Histone H2A.X antibody at 1/1,000 dilution.



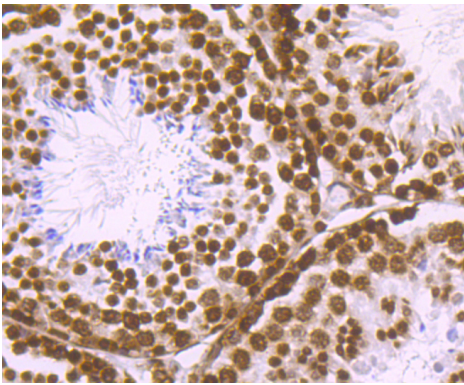
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Histone H2A.X antibody. Counter stained with hematoxylin.



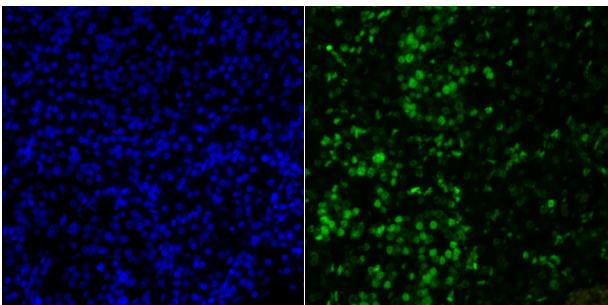
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue using anti-Histone H2A.X antibody. Counter stained with hematoxylin.



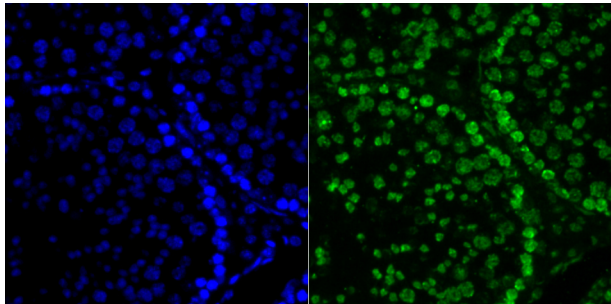
Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-Histone H2A.X antibody. Counter stained with hematoxylin.



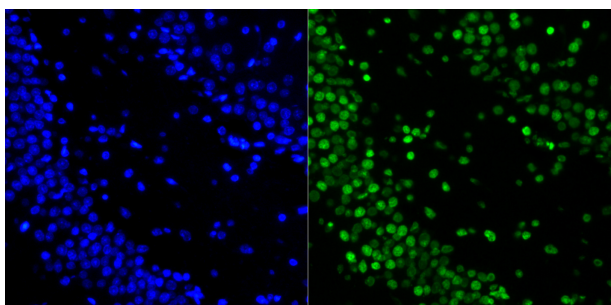
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Histone H2A.X antibody. Counter stained with hematoxylin.



IF analysis of paraffin-embedded human pancreas tissue using anti-Histone H2A.X antibody (green). The nuclear counter stain is DAPI (blue).



IF analysis of paraffin-embedded mouse testis tissue using anti-Histone H2A.X antibody (green). The nuclear counter stain is DAPI (blue).



IF analysis of paraffin-embedded rat brain tissue using anti-Histone H2A.X antibody (green). The nuclear counter stain is DAPI (blue).

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 differs from the other members of the H2A family by the presence of a highly conserved C-terminal motif. It is widely phosphorylated in response to ionizing radiation and plays an important role in the recognition and repair of DNA fragments. It is 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 recruit new repair factors, including Rad50, Rad51 and BRCA1.

References

Note: This product is for in vitro research use only