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**Product Name: Histone H2A.X Rabbit Monoclonal Antibody****Catalog #: AMRe85652**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.51mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC 1:50-1:200,IP 1:10-1:20
<b>Molecular Weight</b>	Calculated MW: 15 kDa; Observed MW: 15 kDa

**Antigen Information**

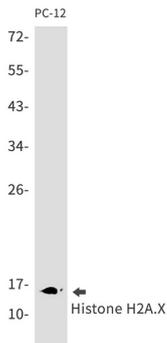
<b>Gene Name</b>	Histone H2A.X
<b>Alternative Names</b>	H2A.X; H2AFX; H2a/x; HIST5-2AX; Histone H2A.X
<b>Gene ID</b>	3014.0
<b>SwissProt ID</b>	P16104
<b>Immunogen</b>	A synthetic peptide of human Histone H2A.X

**Background**

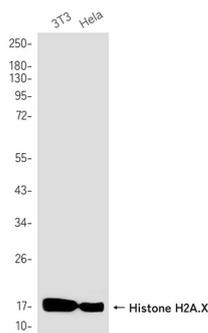
Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability.

## Research Area

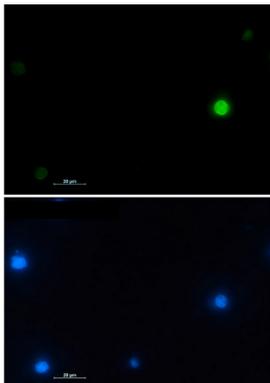
## Image Data



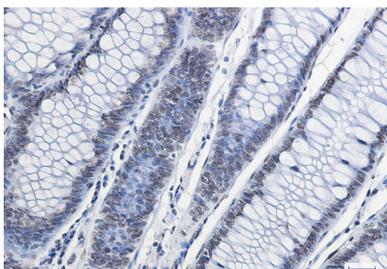
Western blot analysis of Histone H2A.X in PC-12 lysates using Histone H2A.X antibody.



Western blot analysis of Histone H2A.X in 3T3, HeLa lysates using Histone H2A.X antibody



Immunocytochemistry analysis of Histone H2A.X (green) in HL-60 using Histone H2A.X antibody, and DAPI (blue).



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Histone H2A.X antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

