

Histone H2A. X (Ab-139) Antibody



PACO23575

Product Information

Size:

100ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:1000,
IHC:1:50-1:200, IF:1:100-1:200

Protein 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. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Required for checkpoint-mediated arrest of cell cycle progression in response to low doses of ionizing radiation and for efficient repair of DNA double strand breaks (DSBs) specifically when modified by C-terminal phosphorylation.

Gene ID:

H2AFX

Uniprot

P16104

Synonyms:

H2A. X; H2AFX; H2a/x; HIST5-2AX;

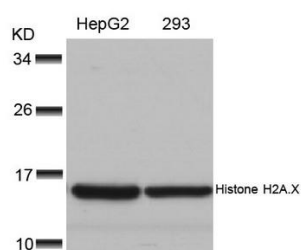
Immunogen:

Peptide sequence around aa.137~141 (Q-A-S-Q-E) derived from Human Histone H2A. X.

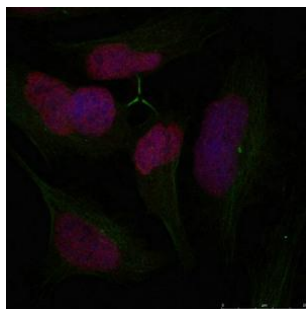
Storage:

Supplied at 1.0mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

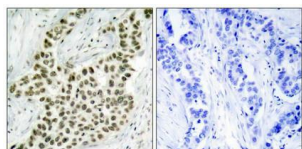
Product Images



Western blot analysis of extracts from HepG2 and 293 cells using Histone H2A. X(Ab-139) Antibody.



Immunofluorescence staining of methanol-fixed HeLa cells using Histone H2A. X(Ab-139) Antibody.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Histone H2A. X(Ab-139) Antibody(left) or the same antibody preincubated with blocking peptide(right).