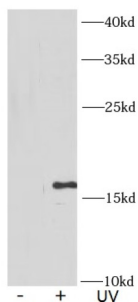
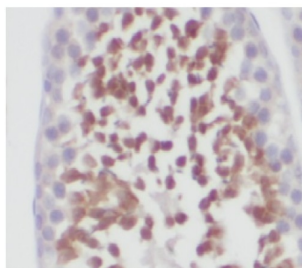


Histone H2A.X Phospho-Ser139 (H2AX pS139) Antibody

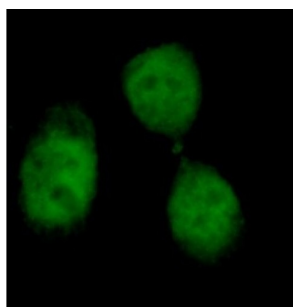
Catalogue No.: abx010921



WB analysis of NIH/3T3 cells (treated with UV for 15-30 minutes), using gamma-H2AX antibody (1/1000 dilution).



IHC-P analysis of mouse testis tissue, using γ -H2AX antibody (1/100 dilution).



IF analysis of HeLa cells (treated with UV for 15-30 minutes at room temperature), using gamma-H2AX antibody (1/100 dilution).

Histone H2A.X Phospho-Ser139 (H2AX pS139) Antibody is a Rabbit Polyclonal antibody for the detection of γ -H2AX.

H2A.X becomes phosphorylated on serine 139 (to form gamma-H2AFX or H2AX pS139) in response to DNA double strand breaks (DSBs) generated by exogenous genotoxic agents and by stalled replication forks, which promotes DNA repair and maintains genomic stability.

Target: Histone H2A.X Phospho-Ser139 (H2AX pS139)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: WB, IHC, IF/ICC

Host: Rabbit

Datasheet

Version: 2.0.0
Revision date: 13 Jun 2025



Recommended dilutions: WB: 1/500 - 1/1000, IHC: 1/20 - 1/200, IF/ICC: 1/20 - 1/100. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: A synthetic phosphorylated peptide around S139 of human H2AX

Isotype: IgG

Form: Liquid

Purity: $\geq 95\%$ (SDS-PAGE)

Purification: Purified by immunogen affinity chromatography.

Storage: Aliquot and store at -20°C . Avoid repeated freeze/thaw cycles.

Validity: 12 months.

UniProt Primary AC: P16104 ([UniProt](#), [ExPASy](#))

Gene Symbol: H2AFX

GeneID: [3014](#)

OMIM: [601772](#)

HGNC: 4739

KEGG: hsa:3014

Ensembl: ENSG00000188486

String: [9606.ENSP00000434024](#)

Molecular Weight: Observed MW: 17 kDa

Buffer: PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.

Concentration: 2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.