

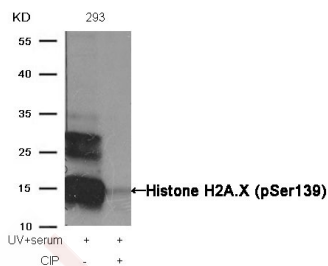
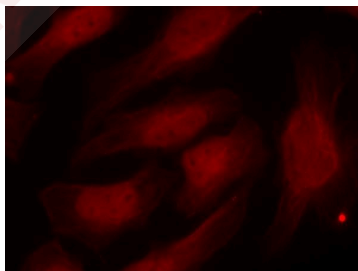
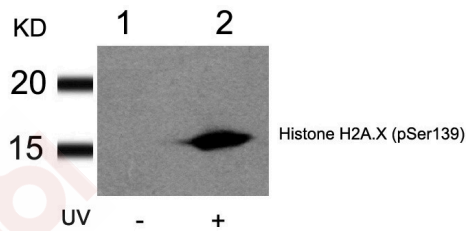
Anti-Phospho-H2AFX (Ser139) Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Applications

- Verified Activity:
- Western blot analysis of extracts from HT29 cells untreated (lane 1) or treated with UV (lane 2) using Histone H2A.X (Phospho-Ser139) Antibody TMAC-01852.
 - Immunofluorescence staining of methanol-fixed Hela cells using Histone H2A.X (Phospho-Ser139) Antibody TMAC-01852.
 - Western blot analysis of extracts from 293 cells, treated with UV+serum or calf intestinal phosphatase (CIP), using Histone H2A.X (Phospho-Ser139) Antibody TMAC-01852.



Application: IF, WB

A DRUG SCREENING EXPERT

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Peptide sequence around phosphorylation site of serine 139 (Q-A-S(p)-Q-E) derived from Human Histone H2AX

Antigen Species: human

Uniprot ID: P16104

Synonyms: p-H2AFX (S139);p-H2AFX (Ser139);H2AFX (p-Ser139);H2AFX (p-S139)

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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