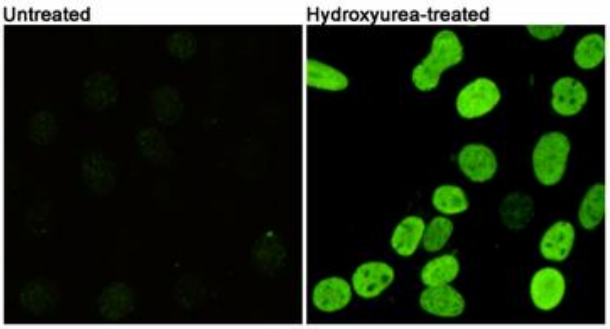
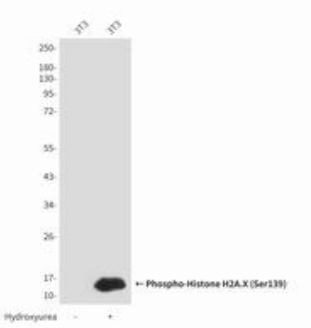
PHOSPHO-HISTONE H2A.X (SER139) (7G9) MOUSE MAB

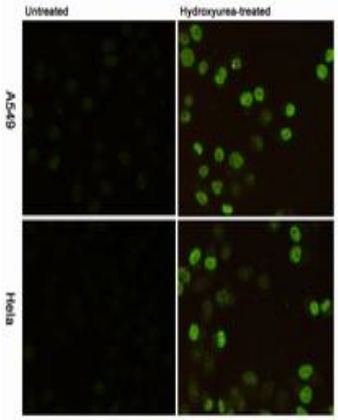
Cat.#: N261451
Product Name: Anti-Phospho-Histone H2A.X (Ser139) (7G9) Mouse Monoclonal Antibody
Synonyms: H2A.X; H2AFX; H2a/x; HIST5-2AX; Histone H2A.X; gamma H2A.X
UNIPROT ID: P16104
Background: Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. Nucleosomes wrap and compact 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.
Immunogen: Synthetic phosphopeptide corresponding to residues surrounding Ser139 of human H2A.X.
Applications: WB,ICC/IF
Recommended Dilutions: WB: 1/500-1/1000 IF: 1/50-1/200
Host Species: Mouse
Clonality: Mouse Monoclonal
Clone ID: 7G9-H4
MW: Calculated MW: 15 kDa; Observed MW: 15 kDa
Isotype: IgG1
Purification: Affinity Purified
Species Reactivity: Human,Mouse
Conjugation: Unconjugated
Modification: Phosphorylated
Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide
Research Areas: EpigeneticsyyyyyHistone phosphorylation
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunofluorescence analysis of Phospho-Histone H2A.X (Ser139) (7G9) in 3T3 or Hydroxyureatreated 3T3 using Phospho-Histone H2A.X (Ser139) antibody.



Western blot analysis of Phosphorylation of H2A.X at Serine 139 in 3T3 or Hydroxyureatreated 3T3 lysates using Phospho-Histone H2A.X (Ser139) antibody.



Immunofluorescence analysis of Phospho-Histone H2A.X (Ser139) (7G9) in A549(upper, untreated or Hydroxyureatreated) and Hela(lower, untreated or Hydroxyureatreated) using Phospho-Histone H2A.X (Ser139) antibody.