

## Anti-Phospho-H2AX-Ser139 antibody [2A9-B5] (STJ99251)

STJ99251

### GENERAL INFORMATION

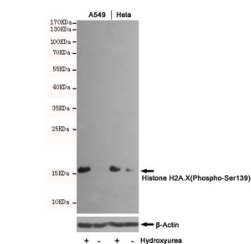
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	Mouse monoclonal antibody anti-Phospho-Histone H2AX-Ser139 is suitable for use in Western Blot, Immunohistochemistry and Immunofluorescence research applications.
<b>Applications</b>	WB/IHC/IF
<b>Host/Source</b>	Mouse
<b>Reactivity</b>	Human/Mouse

### PRODUCT PROPERTIES

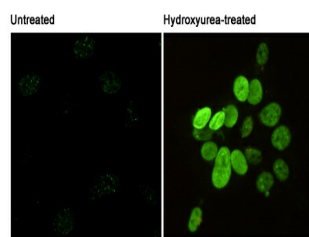
<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	2A9-B5
<b>Concentration</b>	1 mg/mL
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
<b>Dilution Range</b>	WB 1:2000 IHC-P 1:100-500 ICC 1:400 IF 1:50-200
<b>Formulation</b>	Liquid in PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
<b>Isotype</b>	IgG2a
<b>Storage Instruction</b>	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

### TARGET INFORMATION

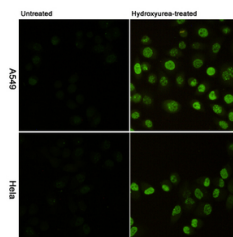
<b>Gene ID</b>	3014
<b>Gene Symbol</b>	H2AX
<b>Uniprot ID</b>	H2AX_HUMAN
<b>Immunogen</b>	Synthetic phosphopeptide corresponding to residues surrounding Ser139 of human H2A.X.
<b>Immunogen Region</b>	
<b>Specificity</b>	This antibody detects endogenous levels of H2A.X only when phosphorylated at serine 139.
<b>Immunogen Sequence</b>	



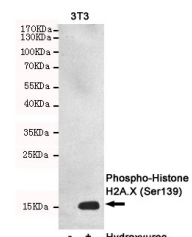
Western blot analysis of extracts from untreated or Hydroxyurea-treated HeLa and A549 cells, using Histone H2A.X (Phospho-Ser139) mouse mAb (1:1000 diluted) (upper) or Beta-Actin Mouse mAb (200000-8F10) (lower). Predicted band size: 15kDa. Observed band size: 15kDa.



Immunofluorescent analysis of Phosphorylation of H2A.X at Serine 139 in 3T3 or Hydroxyurea-treated 3T3 cells using Phospho-Histone H2A.X



Immunofluorescent analysis of Phosphorylation of H2A.X at Serine 139 in A549 (upper, untreated or Hydroxyurea-treated) and HeLa (lower, untreated or Hydroxyurea-treated) cells using Phospho-Histone H2A.X (Ser139) mouse mAb (1:400).



Western blot detection of Phosphorylation of H2A.X at Serine 139 in 3T3 or Hydroxyurea-treated 3T3 cell lysates using Phospho-Histone H2A.X (Ser139) mouse mAb (1:2000 diluted). Predicted band size: 15kDa. Observed band size: 15kDa.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.  
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