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Datasheet for ABIN6241012  
**anti-H2AFX antibody (pSer139)**

2 Images

Overview

Quantity:	100 µL
Target:	H2AFX
Binding Specificity:	pSer139
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This H2AFX antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant Protein
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Target Details

Target:	H2AFX
Alternative Name:	Histone H2A.X ( <a href="#">H2AFX Products</a> )
Background:	<p>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</p>

## Target Details

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.

UniProt: [P16104](#)

Pathways: [Telomere Maintenance](#), [DNA Damage Repair](#), [Positive Regulation of Response to DNA Damage Stimulus](#)

## Application Details

Application Notes: WB: 1:2000. ICC: 1:400

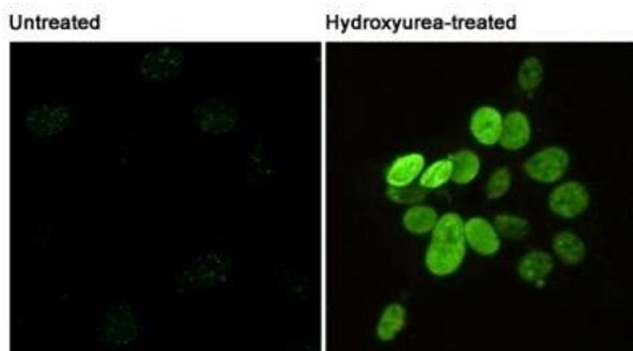
Restrictions: For Research Use only

## Handling

Format: Liquid

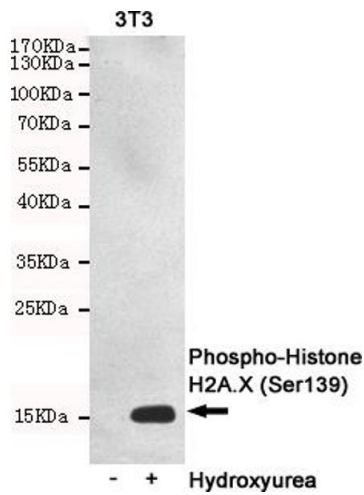
Storage: 4 °C,-20 °C

## Images



### Immunocytochemistry

**Image 1.** Immunofluorescent analysis of Phosphorylation of H2A.X at Serine 139 in 3T3 or Hydroxyurea-treated 3T3 cells using Phospho-Histone H2A.X



### Western Blotting

**Image 2.** 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.