

Datasheet for ABIN5557485  
**anti-H2AFX antibody (pSer139)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	H2AFX
Binding Specificity:	pSer139
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This H2AFX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	KLH conjugated Synthesised phosphopeptide derived from human Histone H2AX around the phosphorylation site of Ser139:QA(p-S)QE.
Clone:	1C14
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

## Target Details

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

## Target Details

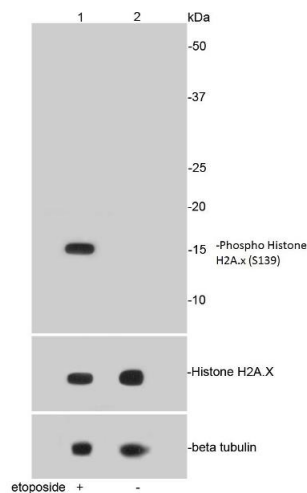
Background:	<p>Synonyms: H2A histone family member X, Histone H2A.x, H2afx, H2a.x, H2ax, Hist5-2ax, H2A.X, H2A/X, H2AX, H2AFX, H2AX_HUMAN.</p> <p>Background: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. [provided by RefSeq, Jul 2008].</p>
Gene ID:	3014
UniProt:	<a href="#">P16104</a>
Pathways:	<a href="#">Telomere Maintenance</a> , <a href="#">DNA Damage Repair</a> , <a href="#">Positive Regulation of Response to DNA Damage Stimulus</a>

## Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400
Restrictions:	For Research Use only

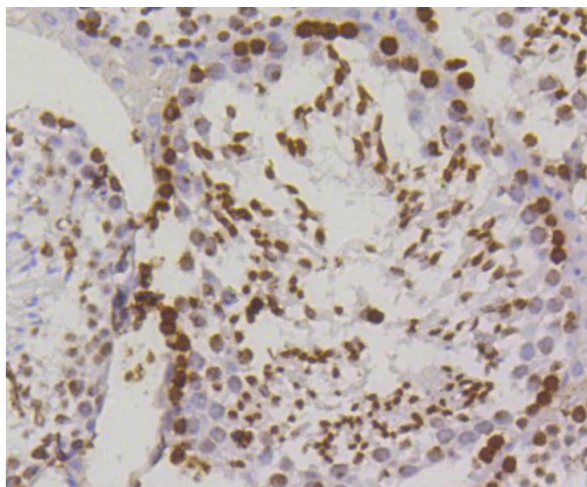
## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1xTBS ( pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months



Western Blotting

**Image 1.** Lane 1: Etoposide treated HepG2 lysates, Lane 2: Untreated HepG2 lysates probed with Histone H2A.X(S139) (1C14) Monoclonal Antibody at 1:1000.



Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Paraformaldehyde-fixed, paraffin embedded mouse testis, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer at 37°C for 20min, Antibody incubation with Histone H2A.X(S139) (1C14) Monoclonal Antibody, (bsn-52163R) at 1:1000 overnight at 4°C, followed by a conjugated secondary and DAB staining