Datasheet for ABIN6136140

anti-Histone H2A antibody (pSer139)

5 Images

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Overview

Quantity:	100 µL
Target:	Histone H2A
Binding Specificity:	pSer139
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Histone H2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthesized peptide derived from human Phospho-Histone H2A.X (S139).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	Histone H2A
Abstract:	Histone H2A Products
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the

Target Details

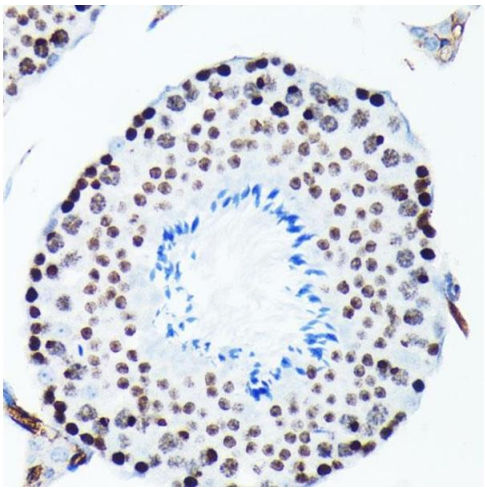
	chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a replication-independent histone that is 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, Oct 2015],H2A.X,H2A/X,H2AX,Histone H2AX,H2AFX,histone H2AX,gamma H2A.X,γH2AX,DNA Damage & Repair,Epigenetic Modifications,Epigenetic Modifications_Acetylation,Epigenetic Modifications_Phosphorylation,Epigenetics & Nuclear Signaling,Histones,Protein phosphorylation,Histone H2A
Molecular Weight:	15 kDa
Gene ID:	3014
UniProt:	P16104

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

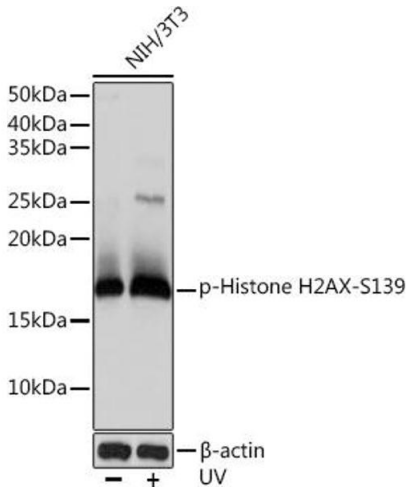
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



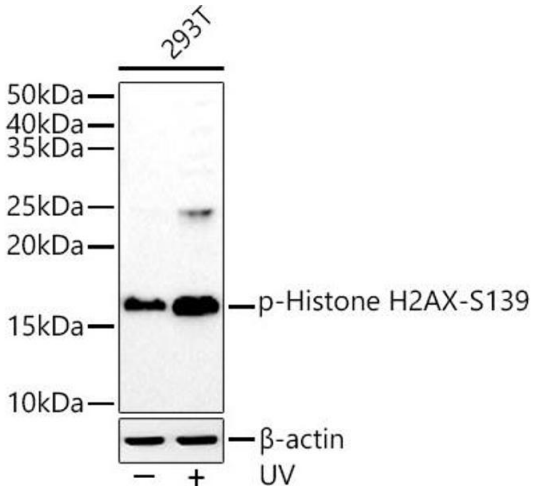
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse testis using Phospho-Histone H2AX-S139 antibody (ABIN6135258, ABIN6136140, ABIN6136141 and ABIN7101881) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of NIH/3T3 cells, using Phospho-Histone H2AX-S139 antibody (ABIN6135258, ABIN6136140, ABIN6136141 and ABIN7101881) at 1:1000 dilution.NIH/3T3 cells were treated by UV at room temperature for 15-30 minutes.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % BSA.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.



Western Blotting

Image 3. Western blot analysis of extracts of 293T cells, using Phospho-Histone H2AX-S139 antibody (ABIN6135258, ABIN6136140, ABIN6136141 and ABIN7101881) at 1:1000 dilution.293T cells were treated by UV at room temperature for 15-30 minutes.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.

Please check the product details page for more images. Overall 5 images are available for ABIN6136140.