



[Go to Product page](#)

Datasheet for ABIN7267725
anti-Histone H2A antibody (C-Term)

7 Images

Overview

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

Product Details

Purpose:	Histone H2AX Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 50 to the C-terminus of human Histone H2AX (NP_002096.1).
Sequence:	VYLAAVLEYL TAEILELAGN AARDNKKTRI IPRHLQLAIR NDEELNKLLG GVTIAQGGVL PNIQAVLLPK KTSATVGPKA PSGGKKATQA SQEY
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

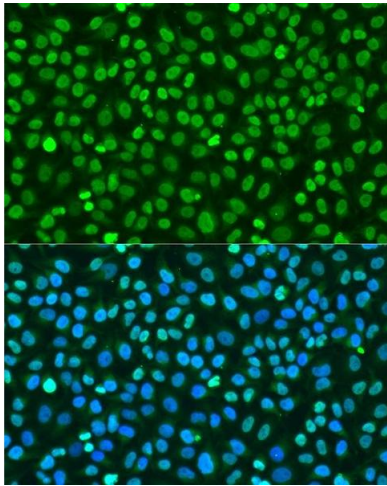
Target:	Histone H2A
Abstract:	Histone H2A Products
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 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.,H2A.X,H2A/X,H2AX,Histone H2AX,H2AFX,histone H2AX,gamma H2A.X,yH2AX,Epigenetics & Nuclear Signaling,Histones,DNA Damage & Repair,Histone H2A
Molecular Weight:	15kDa
Gene ID:	3014
UniProt:	P16104

Application Details

Application Notes:	WB,1:500 - 1:1000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

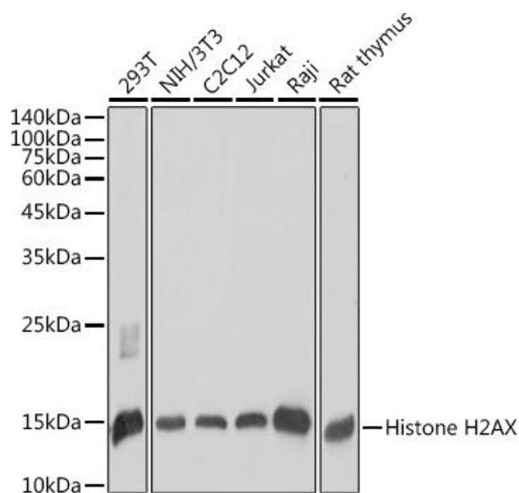
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,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.



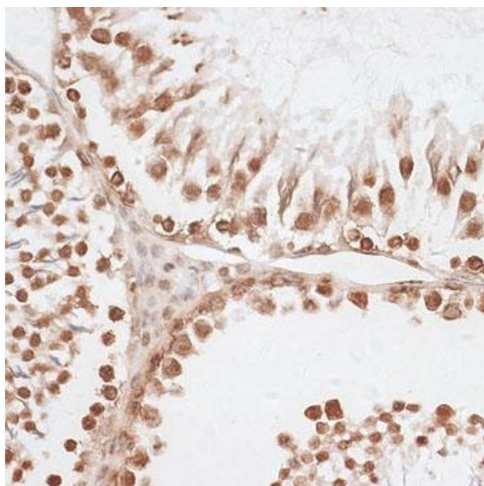
Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using Histone H2AX Rabbit pAb (ABIN7267725) at dilution of 100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Histone H2AX antibody (ABIN7267725) at 1:1000 dilution. 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: 10s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat testis using Histone H2AX antibody (ABIN7267725) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7267725.