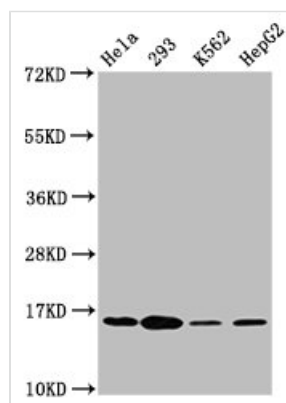




# Phospho-H2AFX (S139) Antibody

<b>Product Code</b>	CSB-PA010097OA139phHU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P16104
<b>Immunogen</b>	Peptide sequence around site of Phospho-Ser (139) derived from Human Histone H2AX
<b>Raised In</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, WB, IF, ChIP; Recommended dilution: WB:1:50-1:500, IF:1:1-1:10
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
<b>Purification Method</b>	Antigen Affinity Purified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Alias</b>	Histone H2AX (H2a/x) (Histone H2A.X), H2AFX, H2AX
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Target Names</b>	H2AFX

## Image



### Western Blot

Positive WB detected in: HeLa whole cell lysate, 293 whole cell lysate, K562 whole cell lysate, HepG2 whole cell lysate

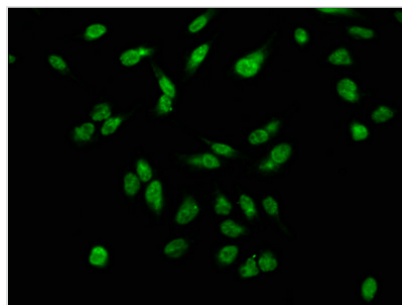
All lanes: H2AFX antibody at 1.8μg/ml

### Secondary

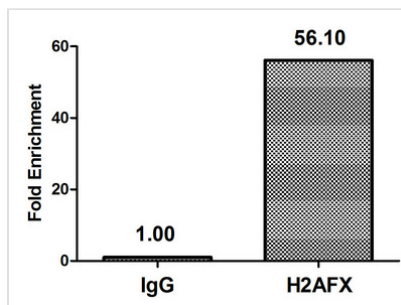
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 16 kDa

Observed band size: 16 kDa



Immunofluorescence staining of HeLa cells with CSB-PA010097OA139phHU at 1:2.5, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Chromatin Immunoprecipitation HeLa ( $4 \times 10^6$ ) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5µg anti-H2AFX (CSB-PA010097OA139phHU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the  $\beta$ -Globin promoter.