

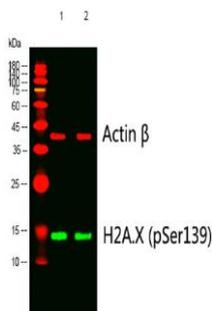
# Histone H2A.X (phospho Ser139) Rabbit Polyclonal Antibody

OPR1326

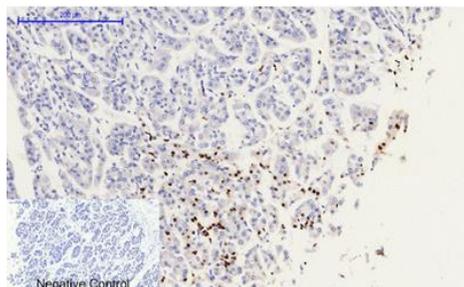
<b>Reactivity</b>	H,M,R,Hm	<b>Storage</b>	-20 °C, Avoid freeze/ thaw cycles
<b>Host</b>	Rabbit	<b>Applications</b>	WB;IHC; IF;ELISA
<b>Isotype</b>	IgG	<b>Concentration</b>	1 mg/mL

Note: Centrifuge before opening to ensure complete recovery of vial contents.

## Images



Western blot analysis of lysates from 1) 4T1, 2) 293 cells, (Green) primary antibody was diluted at 1:1000, 4° over night, Dylight 800 secondary antibody was diluted at 1:10000, 37° 1hour. (Red) Actin β Monoclonal Antibody(5B7).



Immunohistochemical analysis of paraffin-embedded Human-stomach-cancer tissue 1,Histone H2A.X (phospho Ser139) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min).3,Secondary antibody was diluted at 1:200(room temperature,30min). Negative control was used by secondary antibody only.

## Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human Histone H2A.X around the phosphorylation site of Ser139.

AA range:94-143

**Swissprot** P16104

**Synonyms** H2AFX; H2AX; Histone H2A.x; H2a/x

## Product Information

**Observed MW** 15-19 kDa

**Buffer** PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Dilution** WB: 1/500 - 1/2000;IHC: 1/100 - 1/300; ELISA: 1/10000.

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user.

## 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.

## Research Use

For research use only, not for use in diagnostic procedure.

## Legend

Applications: WB-Western Blot; IHC-Immunohistochemistry; IF-Immunofluorescence; IP-Immunoprecipitation; FC-Flow cytometry;ChIP-Chromatin Immunoprecipitation

Reactivity: H-Human; R-Rat; M-Mouse; Mk-Monkey; Dg-Dog; Ch-Chicken; Hm-Hamster; Rb-Rabbit; Sh- Sheep; Pg-Pig; Z-Zebrafish;X-Xenopus; C-Cow.

Please contact Origin Diagnostics and Research for further assistance

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