

# Histone H2A.XS139ph (phospho Ser139) antibody

**Cat. No. GTX127342**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, IHC-P, IHC-Fr, IHC-Wm, IHC
<b>Reactivity</b>	Human, Zebrafish

References ( 54 )

Package

100 µl, 25 µl

## Applications

### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	Assay dependent
IHC-P	1:100-1:2000
IHC-Fr	Assay dependent
IHC-Wm	1:100-1:500
IHC	1:100-1:2000

Not tested in other applications.

**Calculated MW** 15 kDa. ( [Note](#) )

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	0.47 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide surrounding phospho Ser139 of zebrafish Histone H2A.X. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated



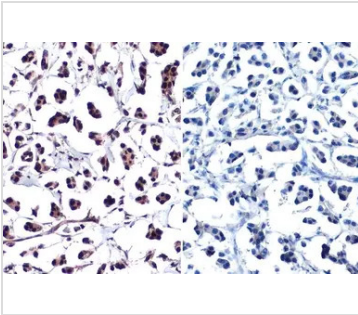
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**Note**

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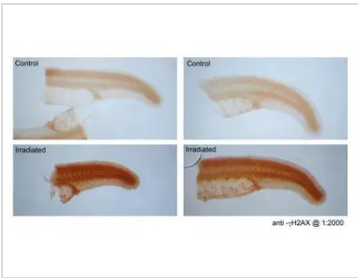
**DATA IMAGES**

**GTx127342 IHC-P Image**

Histone H2A.XS139ph (phospho Ser139) antibody detects Histone H2A.XS139ph (phospho Ser139) protein at nucleus by immunohistochemical analysis in the presence of control peptide (left) or antigen-specific peptide (right).

Sample: Paraffin-embedded human breast carcinoma.

Histone H2A.XS139ph (phospho Ser139) stained by Histone H2A.XS139ph (phospho Ser139) antibody (GTx127342) diluted at 1:1000.

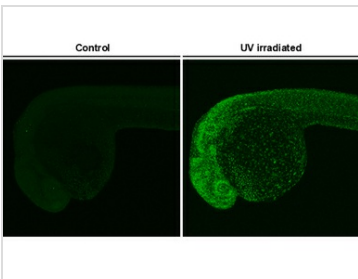
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


**GTx127342 IHC Image**

H2afx antibody detects H2afx protein at nucleus on UV-irradiated whole-mount zebrafish embryos (under panel) by immunohistochemical analysis.

Sample: H2afx antibody (GTx127342) dilution: 1:2000.

Image provided with permission courtesy of Dr. James Amatruda.

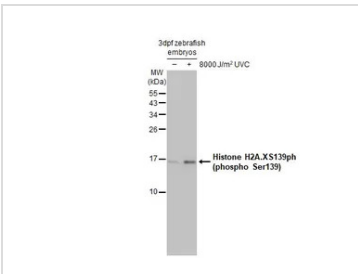

**GTx127342 IHC-Wm Image**

Histone H2A.XS139ph (phospho Ser139) antibody detects Histone H2A.XS139ph (phospho Ser139) protein on whole mount zebrafish by immunohistochemical analysis.

Sample: Paraformaldehyde-fixed 1 day-post-fertilization zebrafish embryo.

Green: Histone H2A.XS139ph (phospho Ser139) stained by Histone H2A.XS139ph (phospho Ser139) antibody (GTx127342) diluted at 1:100.

Antigen Retrieval: Tris-HCl buffer, pH 9.0, 20 min at 70°C


**GTx127342 WB Image**

Untreated (-) and treated (+) Zebrafish embryos extracts (30 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with Histone H2A.XS139ph (phospho Ser139) antibody (GTx127342) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



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