Phospho-Histone H2A.X (Ser139) Recombinant antibody

Cat:B36222S **Company:** HaoKebio

Uniprot ID:P16104

Organism: Rabbit

Species reactivity: Human Mouse Rat

Molecular Weight Calculation: 15 kDa

Observed Molecular Weight: 15 kDa

Applications: IHC:1:2000-1:8000

IHC-Polymer:1:8000-1:32000

IHC-TSA:1:10000-1:40000

IF:1:100-1:400

WB:1:5000-1:50000

FC:1:1000-1:2000

Background:

The histone variant H2AX is a major component of the DNA damage response (DDR), especially functioning in amplifying DNA damage signals. In response to DNA double-strand breaks (DSBs) , H2AX is instantaneously phosphorylated at Ser 139 (a form called cH2AX) by the kinases ATM and ATR. The phosphorylation of H2AX at Ser1 39, resulting in the formation of gamma-H2AX p uncta in the nuclei, is an early event in the cellul ar response to DNA damage. Therefore, phospho -Histone H2A. X (Ser139) is also known as γH2 AX. The phosphorylation site of H2AX, Ser139, has also been described as Ser140 in other literat ure, and they recognize the same amino acid site.

Synonyms:

H2A.X (Ser139), H2A.X P-S139, H2A.X Ser139, H2A.XS139, H2A.XS139Ph

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Nucleus

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02%sodium azide,100 μg/ml BSA an d 50% glycerol.

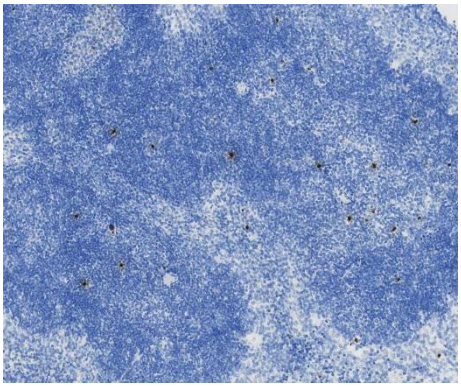
Storage:

Store at -20 ℃ for one year.

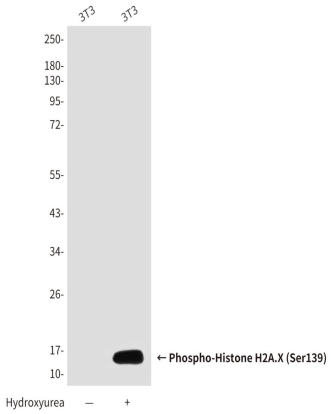
Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 min utes.Incubate antibody, 4℃ overnight.Secondary antibody: P oly-HRP Goat Anti-Rabbit & Mouse Universal Secondary An tibody, RT, 1h.

Images:



Sample: Mouse spleen, 4% PFA 12-24h



Dilution of 1:10000 incubated at room temperature for 1.5 ho urs.

Source of Reagents:

发表[中文论文]请标注:Phospho-Histone H2A.X (Ser139)(B36222S)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:Phospho-Histone H2A.X (Ser139)(B36222S) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.