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Datasheet for ABIN7138402  
**anti-HIST1H3A antibody (pSer10)**

4 Images

Overview

Quantity:	100 µL
Target:	HIST1H3A
Binding Specificity:	pSer10
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H3A antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 10 (R-K-S(p)-T-G) derived from Human Histone H3.1.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	HIST1H3A
Alternative Name:	HIST1H3A ( <a href="#">HIST1H3A Products</a> )

## Target Details

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### Background:

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Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Dai J, et al. (2005) *Genes Dev* 19(4): 472-488.

Yih LH, et al. (2005) *Carcinogenesis* 26(1): 53-63.

Aliases: H3 histone family member E pseudogene antibody; H3 histone family; member A antibody; H3/A antibody; H31\_HUMAN antibody; H3F3 antibody; H3FA antibody; Hist1h3a antibody; HIST1H3B antibody; HIST1H3C antibody; HIST1H3D antibody; HIST1H3E antibody; HIST1H3F antibody; HIST1H3G antibody; HIST1H3H antibody; HIST1H3I antibody; HIST1H3J antibody; HIST3H3 antibody; histone 1; H3a antibody; Histone cluster 1; H3a antibody; Histone H3 3 pseudogene antibody; Histone H3.1 antibody; Histone H3/a antibody; Histone H3/b antibody; Histone H3/c antibody; Histone H3/d antibody; Histone H3/f antibody; Histone H3/h antibody; Histone H3/i antibody; Histone H3/j antibody; Histone H3/k antibody; Histone H3/l antibody

### UniProt:

[P68431](#)

## Application Details

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### Application Notes:

WB:1:500-1:1000, IHC:1:50-1:100, IF:1:100-1:200,

### Restrictions:

For Research Use only

## Handling

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### Format:

Liquid

### Buffer:

Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

### Preservative:

Sodium azide

### Precaution of Use:

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

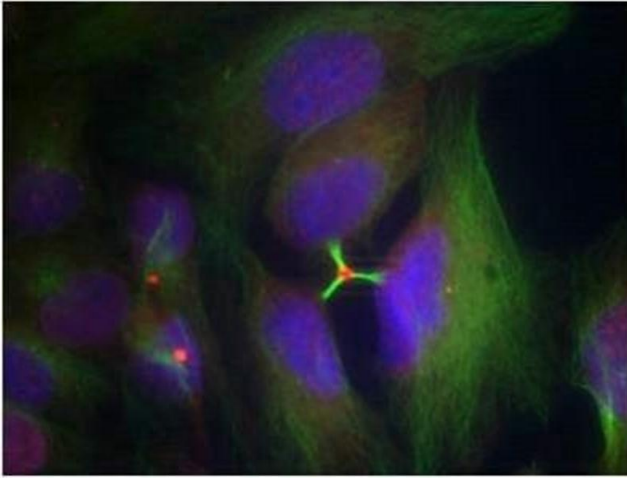
### Storage:

-20 °C,-80 °C

## Handling

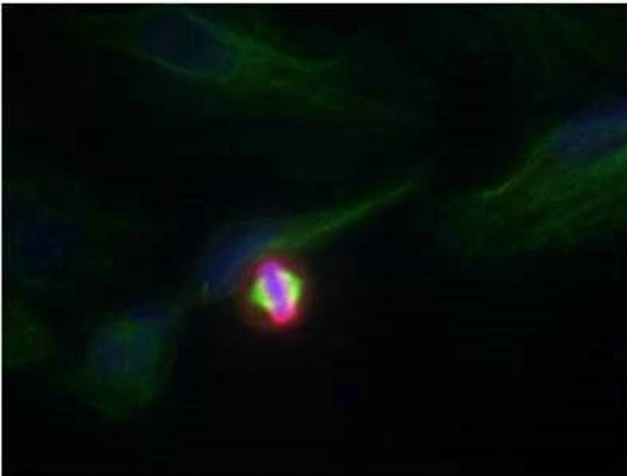
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



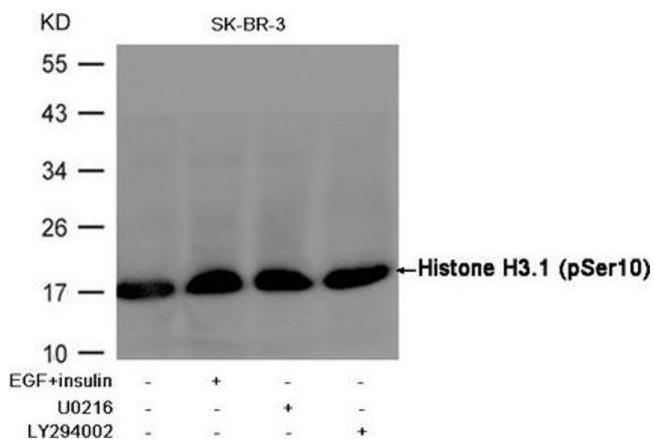
### Immunofluorescence

**Image 1.** Immunofluorescence staining of methanol-fixed HeLa cells using Histone H3.1 (Phospho-Ser10) Antibody.



### Immunofluorescence

**Image 2.** Immunofluorescence staining of methanol-fixed HeLa cells using Histone H3.1 (Phospho-Ser10) Antibody.



### Western Blotting

**Image 3.** Western blot analysis of extracts from SK-BR-3 cells, treated with insulin and EGF, and pretreated with U0216 and LY294002 cells using Histone H3.1 (Phospho-Ser10) Antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7138402.