



Datasheet for ABIN6256470  
**anti-Histone H2A antibody (pThr121)**



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2 Images

Overview

Quantity:	100 µL
Target:	Histone H2A
Binding Specificity:	pThr121
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A synthesized peptide derived from human Histone H2A around the phosphorylation site of Threonine 121
Isotype:	IgG
Specificity:	Phospho-Histone H2A (Thr121) Antibody detects endogenous levels of Histone H2A only when phosphorylated at Threonine 121
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target:	Histone H2A
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## Target Details

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Abstract:	<a href="#">Histone H2A Products</a>
Background:	Description: 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. Gene: HIST1H2AG, HIST1H2AI, HIST1H2AK, HIST1H2AL, HIST1H2AM
Molecular Weight:	15kDa
Gene ID:	83, 298, 330
UniProt:	<a href="#">P0C0S8</a> , <a href="#">P04908</a> , <a href="#">P20671</a> , <a href="#">Q96KK5</a> , <a href="#">Q6F113</a> , <a href="#">Q7L7L0</a>

## Application Details

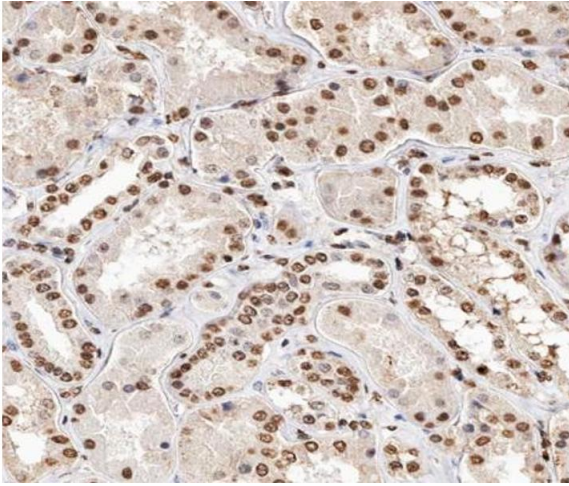
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Application Notes:	IHC 1:50-1:200 WB 1:1000
Restrictions:	For Research Use only

## Handling

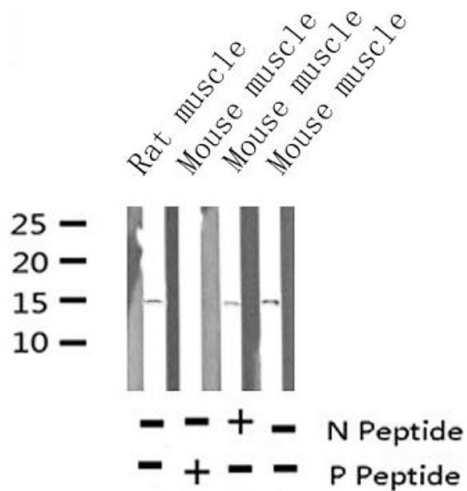
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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C.Stable for 12 months from date of receipt
Expiry Date:	12 months



### Immunohistochemistry

**Image 1.** ABIN6267347 at 1/200 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



### Western Blotting

**Image 2.** Western blot analysis of Phospho-Histone H2A (Thr121) expression in various lysates