

For Research Use Only

# Histone H2A.z Polyclonal antibody

Catalog Number: 16441-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

16441-1-AP

### Size:

150ul, Concentration: 167 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9762

### GenBank Accession Number:

BC018002

### GeneID (NCBI):

3015

### UNIPROT ID:

POC055

### Full Name:

H2A histone family, member Z

### Calculated MW:

128 aa, 14 kDa

### Observed MW:

14 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, fish, oratosquilla oratoria

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : human brain tissue, mouse kidney tissue

IHC : human skin cancer tissue, human testis tissue

IF/ICC : HeLa cells,

## Notable Publications

Author	Pubmed ID	Journal	Application
BreAnna Cameron	34590699	Biol Open	IF, WB
Ryan Darby Heimroth	34788085	Sci Adv	IF
Zhitao Han	36408174	Front Oncol	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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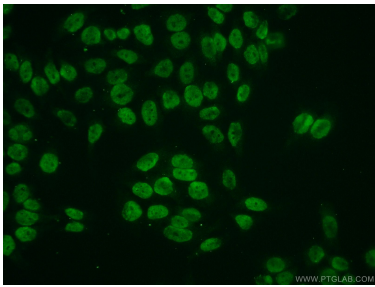
Selected Validation Data



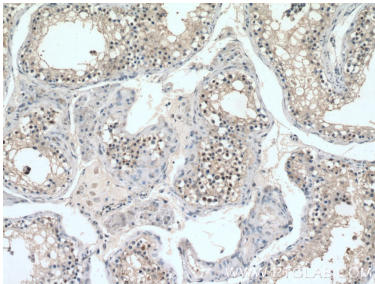
human brain tissue were subjected to SDS PAGE followed by western blot with 16441-1-AP (H2AFZ antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



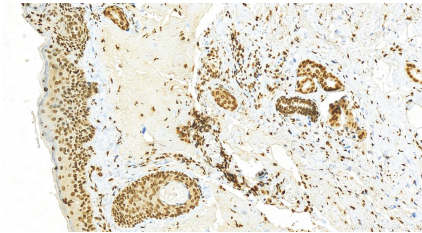
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 16441-1-AP (Histone H2A.z Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 16441-1-AP (Histone H2A.z antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 16441-1-AP (Histone H2A.z antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 16441-1-AP (Histone H2A.z antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).