

For Research Use Only

# Histone H3.4 Polyclonal antibody

Catalog Number: 18064-1-AP



## Basic Information

### Catalog Number:

18064-1-AP

### Size:

150ul , Concentration: 500 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12671

### GenBank Accession Number:

BC101837

### GeneID (NCBI):

8290

### UNIPROT ID:

Q16695

### Full Name:

histone cluster 3, H3

### Calculated MW:

136 aa, 16 kDa

### Observed MW:

16 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human, mouse, rat

### Positive Controls:

WB : A431 cells, mouse brain tissue, mouse testis tissue

## Background Information

HIST3H3, also known as H3.1t and H3.4, is a histone H3 protein variant that bears the H3.1 variant hallmark cysteine 96 but includes three extra amino acid substitutions. H3.1t was found to be expressed in primary human spermatocytes at the pachytene stage, similar to the human testis-specific histone H1t variant, where it appears therefore to take part in the process of spermatogenesis (PMID: 21782046).

## 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

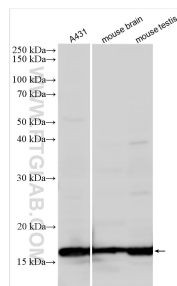
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18064-1-AP (Histone H3.4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.