

For Research Use Only

# Histone H3.4 Polyclonal antibody, PBS Only

Catalog Number: 18064-1-PBS



## Basic Information

<b>Catalog Number:</b> 18064-1-PBS	<b>GenBank Accession Number:</b> BC101837	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8290	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q16695	
<b>Isotype:</b> IgG	<b>Full Name:</b> histone cluster 3, H3	
<b>Immunogen Catalog Number:</b> AG12671	<b>Calculated MW:</b> 136 aa, 16 kDa	
	<b>Observed MW:</b> 16 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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 -80°C.

**Storage Buffer:**  
PBS only, pH7.3

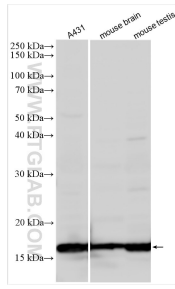
For technical support and original validation data for this product please contact:

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

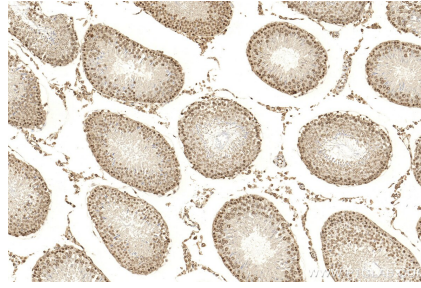
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



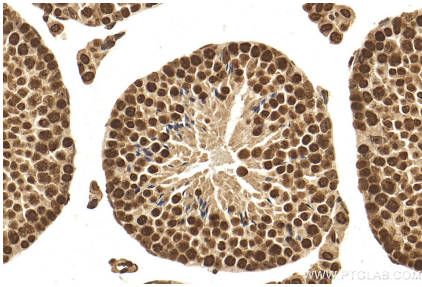
Various lysates were subjected to SDS PAGE followed by western blot with 18064-1-AP (Histone H3.4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18064-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 18064-1-AP (Histone H3.4 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18064-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 18064-1-AP (Histone H3.4 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18064-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 18064-1-AP (Histone H3.4 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18064-1-PBS in a different storage buffer formulation.