

For Research Use Only

# HIST1H1T Polyclonal antibody

Catalog Number: 18188-1-AP

2 Publications



## Basic Information

Catalog Number:

18188-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12908

GenBank Accession Number:

BC069517

GeneID (NCBI):

3010

UNIPROT ID:

P22492

Full Name:

histone cluster 1, H1t

Calculated MW:

206 aa, 22 kDa

Observed MW:

22-30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:400-1:1600

IF/ICC 1:400-1:1600

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

mouse

**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 testis tissue,

IHC : mouse testis tissue,

IF/ICC : HepG2 cells,

## Background Information

Testis-specific histone variants facilitate histone to protamine exchange during maturation of spermatozoa. Three testis-specific histone variants are regulated in male germ cells including H1T, H1T2 and H1LS1 (encoded by HIST1H1T, HIST1H1T2 and HIST1H1LS1 respectively).

## Notable Publications

Author	Pubmed ID	Journal	Application
Mengneng Xiong	35284939	Biol Reprod	IF
Yingli Guo	28825854	Cell Cycle	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

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

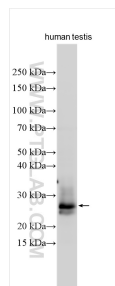
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

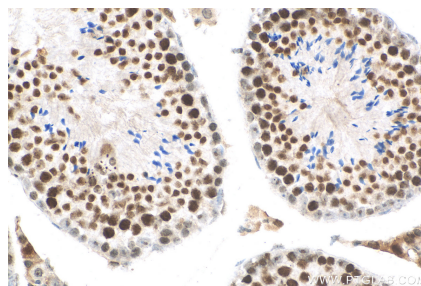
W: [ptgcn.com](http://ptgcn.com)

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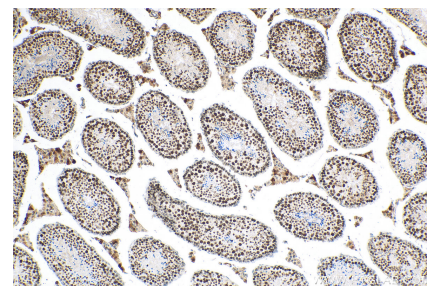
## Selected Validation Data



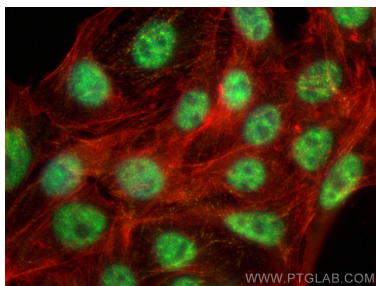
Various lysates were subjected to SDS PAGE followed by western blot with 18188-1-AP (HIST1H1T antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 18188-1-AP (HIST1H1T antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 18188-1-AP (HIST1H1T antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HIST1H1T antibody (18188-1-AP) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).