

For Research Use Only

HIST1H1T Polyclonal antibody

Catalog Number: 18188-1-AP

2 Publications



Basic Information

Catalog Number: 18188-1-AP	GenBank Accession Number: BC069517	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3010	Recommended Dilutions: WB 1:200-1:1000 IHC 1:400-1:1600 IF/ICC 1:400-1:1600
Source: Rabbit	UNIPROT ID: P22492	
Isotype: IgG	Full Name: histone cluster 1, H1t	
Immunogen Catalog Number: AG12908	Calculated MW: 206 aa, 22 kDa	
	Observed MW: 22-30 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : human testis tissue, IHC : mouse testis tissue, IF/ICC : HepG2 cells,
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	

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

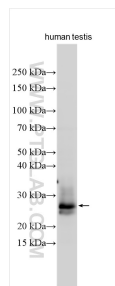
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

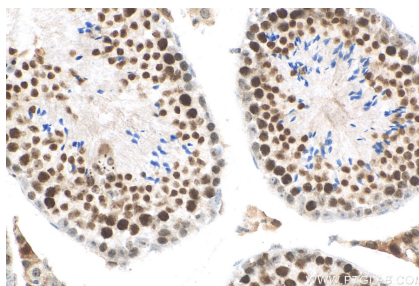
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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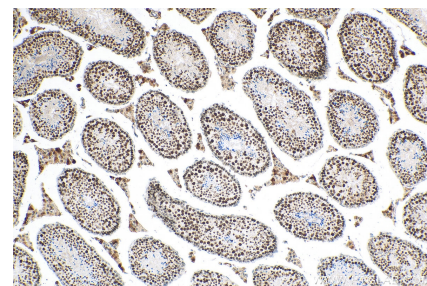
Selected Validation Data



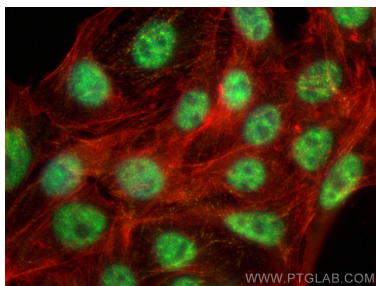
Various lysates were subjected to SDS PAGE followed by western blot with 18188-1-AP (HIST1H1T antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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).