

# Histone H1t Rabbit pAb

**Catalog No.: A18597**

## Basic Information

**Observed MW**

30kDa

**Calculated MW****Category**

Primary antibody

**Applications**

WB, IF/ICC

**Cross-Reactivity**

Mouse, Rat

## Background

Histones are basic nuclear proteins responsible for nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element [provided by RefSeq, Aug 2015]

## Recommended Dilutions

**WB** 1:500 - 1:2000**IF/ICC** 1:50 - 1:200

## Immunogen Information

**Gene ID**

107970

**Swiss Prot**

Q07133

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 150-209 of mouse Histone H1t (NP\_034507.2).

**Synonyms**

H1.6;H1ft;H1t

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

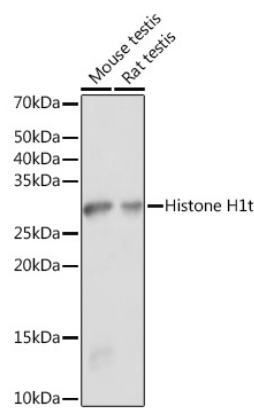
Affinity purification

**Storage**

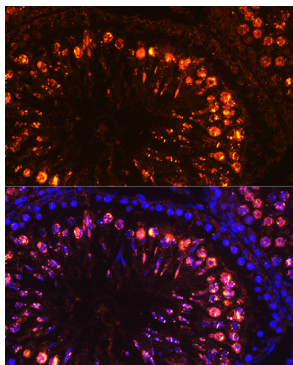
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thiomersal, 50% glycerol, pH7.3.

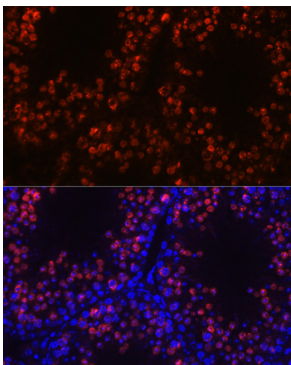
## Validation Data



Western blot analysis of extracts of various cell lines, using Histone H1t antibody (A18597) at 1:3000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.



Immunofluorescence analysis of rat testis using Histone H1t Rabbit pAb (A18597) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse testis using Histone H1t Rabbit pAb (A18597) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.