



## Rabbit Anti-phospho-Histone H1.4 (Thr18) antibody

SL3171R

<b>Product Name:</b>	phospho-Histone H1.4 (Thr18)
<b>Chinese Name:</b>	磷酸化组蛋白H1.4抗体
<b>Alias:</b>	Histone H1.4 (phospho T18); p-Histone H1.4 (phospho T18); HIST1H1E; H1F4; Histone H1.4; Histone H1b; H14_HUMAN; Histone H1s-4; H1 histone family member 4; H1E; Hist1h1e; Histone 1 H1e; Histone cluster 1 H1e; Histone H1; MGC116819; H1.4; H1F0; Histone H1b.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	22kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human Histone H1.4 around the phosphorylation site of Thr18:EK(p-T)P
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>

Histone H1b are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.

**Function:**

Histones H1 are necessary for the condensation of nucleosome chains into higher order structures.

**Subcellular Location:**

Nucleus. Chromosome.

**Post-translational modifications:**

Acetylated at Lys-26. Deacetylated at Lys-26 by SIRT1.

**Similarity:**

Belongs to the histone H1/H5 family.

Contains 1 H15 (linker histone H1/H5 globular) domain.

**Product Detail:**

**SWISS:**

P10412

**Gene ID:**

3008

**Database links:**

[Entrez Gene: 3008](#)Human

[Entrez Gene: 50709](#)Mouse

[Omim: 142220](#)Human

[SwissProt: P10412](#)Human

[SwissProt: P43274](#)Mouse

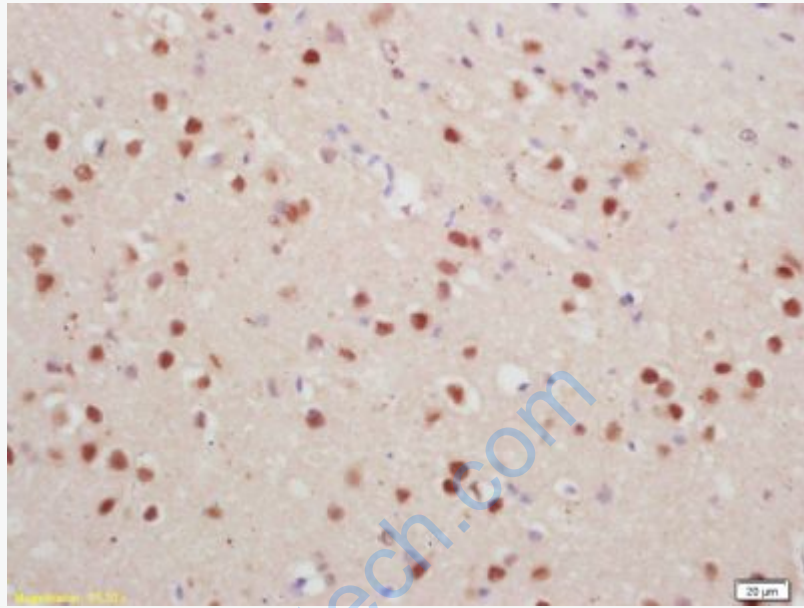
[Unigene: 248133](#)Human

[Unigene: 170587](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.



**Picture:**

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block  
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer  
(normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-phospho-Histone H1.4(Thr18) Polyclonal Antibody,  
Unconjugated(SL3171R) 1:200, overnight at 4°C, followed by conjugation to the  
secondary antibody(SP-0023) and DAB(C-0010) staining