SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-phospho-Histone H1.4 (Thr18)/HRP Conjugated antibody

Catalog Number: SL3171R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-phospho-Histone H1.4(Thr18)/HRP
Immunogen:	KLH conjugated Synthesised phosphopeptide derived from human Histone H1.4 around the phosphorylation site of Thr18
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat
Background:	background: 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.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	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. **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.