SunLong Biotech Co.,LTD
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**[ Primary Antibody ]**

# Rabbit Anti-Histone H1t antibody

**Catalog Number: SL1413R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

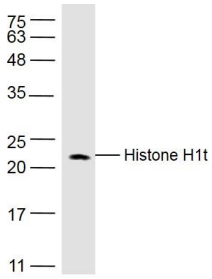
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|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | Histone H1t |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human Testicular H1 histone: 51-207/207 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB=1:500-2000<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Mouse,Rat(predicted:Human,Dog,Pig,Cow,Horse,Rabbit) |
| **Predicted MW.:** | 22kDa |
| **Subcellular Location:** | The nucleus |
| **Background:** | Histones are basic nuclear proteins that are responsible for the 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 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.<br>**Function:** Histones H1 are necessary for the condensation of nucleosome chains into higher-order structures.<br>**Subcellular Location:** Nucleus. Chromosome.<br>**Post-translational modifications:** Phosphorylated in early spermatids. |

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

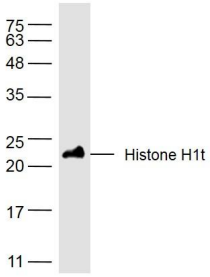
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| | |
|---|---|
| | **Similarity:** Belongs to the histone H1/H5 family.<br>Contains 1 H15 (linker histone H1/H5 globular) domain.<br>**Database links:**<br>**Entrez Gene:** 3010 Human<br>Omim: 142712 Human<br>**SwissProt:** P22492 Human<br>**Unigene:** 533293 Human |

## [ VALIDATION IMAGES ]




Sample:
Testis (Mouse) Lysate at 40 ug
Primary: Anti- Histone H1t (SL1413R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 22 kD
Observed band size: 22 kD




Sample:
Testis (Rat) Lysate at 40 ug
Primary: Anti- Histone H1t (SL1413R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 22 kD
Observed band size: 22 kD

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