

Rabbit Anti-Histone H1.4 antibody

SL10334R

Product Name	Histone H1.4
Chinese Name	组蛋白 H1.4 样蛋白抗体
Alias	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.
Research Area	Tumour Cell biology Signal transduction Stem cells Apoptosis Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human (predicted:Dog,Rabbit)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	22kDa
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Histone H1.4: 1-100/219
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed

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

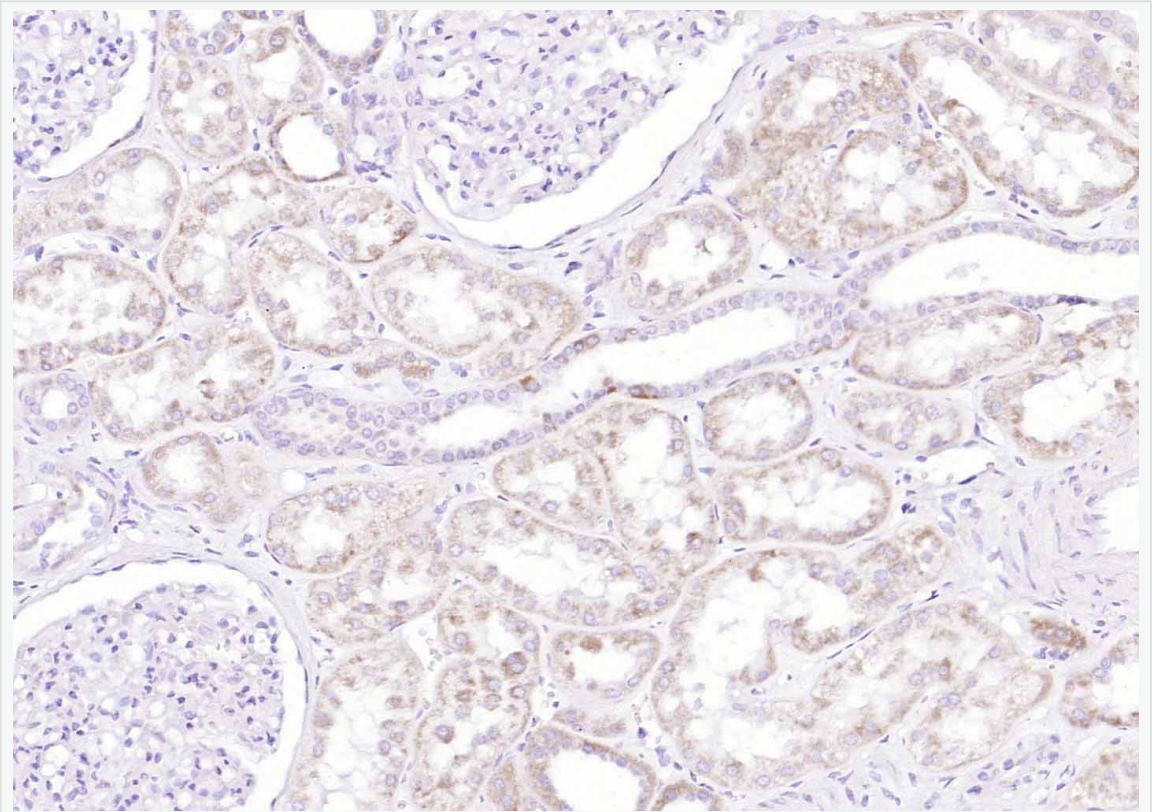
[SwissProt: P10412](#) Human

[SwissProt: P43274](#) Mouse

[Unigene: 248133](#) Human

[Unigene: 170587](#) Mouse

**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Histone H1.4) Polyclonal Antibody, Unconjugated (SL10344R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.