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Rabbit Anti-Histone H1.4 (Acetyl K53)/AF350 Conjugated antibody

SL0931R-AF350

Product Name	Anti-Histone H1.4 (Acetyl K53)/AF350
Chinese Name	AF350 标记的乙酰化组蛋白 H1b 抗体
Alias	Histone H1.4(Ac-Lys53); Histone H1b (Ac-Lys53); Acetyl-Histone H1.4 (Lys53); Acetyl-Histone H1.4 (K53); 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.
Product Type	Acetylated anti
Research Area	Tumour Developmental biology Signal transduction Apoptosis transcriptional regulatory factor Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat,Dog,Pig,Cow,Horse)
Applications	Flow-Cyt=1ug/test,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	24kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated Synthesised acetylpeptide derived from human Histone H1b around the acetylation site of Lys53
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
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.

Product Detail

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.

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

Omim: 142220 Human

SwissProt: P10412 Human

Unigene: 248133 Human

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

transcriptional regulatory factor（Transcriptin Regulators）