

Rabbit Anti-Histone H3 (Di Methyl K4), Alexa Fluor® 750 conjugated antibody

SL3770R-AF750

Product Name	Histone H3 (Di Methyl K4), Bodipy Fluor 750 conjugated
Chinese Name	AF750 标记的二甲基化组蛋白 H3K4 抗体
Alias	Histone H3(Di Methyl Lys4); H3K4me2; Di methyl Histone H3(Lys4); Di methyl Histone H3(K4); H3 histone family member E pseudogene; H3 histone family, member A; H3/A; H31_HUMAN; H3F3; H3FA; Hist1h3a; HIST1H3B; HIST1H3C; HIST1H3D; HIST1H3E; HIST1H3F; HIST1H3G; HIST1H3H; HIST1H3I; HIST1H3J; HIST3H3; histone 1, H3a; Histone cluster 1, H3a; Histone H3 3 pseudogene; Histone H3.1; Histone H3/a; Histone H3/b; Histone H3/c; Histone H3/d; Histone H3/f; Histone H3/h; Histone H3/i; Histone H3/j; Histone H3/k; Histone H3/l; H3.1; H3/d; H3C1; H3C10; H3C11; H3C12; H3C2; H3C3; H3C4; H3C7; H3C8; H3FD;
Product Type	Methylated anti
Research Area	Tumour Cell biology immunology Chromatin and nuclear signals transcriptional regulatory factor Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat(predicted:Pig,Cow,Rabbit,Fruit Fly) Flow-Cyt=0.2µg /Test,IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	15kDa
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthesised methylpeptide derived from human Histone H3 around the methylation site of Di Methyl K4: RT(Di Methyl-K)QT
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 Modulation of the chromatin structure plays an important role in the regulation of transcription in eukaryotes. The nucleosome, made up of four core histone proteins (H2A, H2B, H3 and H4), is the primary building block of chromatin. The N-terminal tail of core histones undergoes different posttranslational modifications including acetylation, phosphorylation and methylation. These modifications occur in response to cell signal stimuli and have a direct effect on gene expression. In most species, the histone H2B is primarily acetylated at lysines 5, 12, 15 and 20. Histone H3 is primarily acetylated at lysines 9, 14, 18 and 23. Acetylation at lysine 9 appears to have a dominant role in histone deposition and chromatin assembly in some organisms. Phosphorylation at Ser10 of histone H3 is tightly correlated with chromosome condensation during both mitosis and meiosis.
	SWISS: P68431
Product Detail	Gene ID: 8350 Database links: Entrez Gene: 8350 Human Entrez Gene: 8351 Human Entrez Gene: 8352 Human Entrez Gene: 8353 Human Entrez Gene: 8354 Human Entrez Gene: 8355 Human Entrez Gene: 8356 Human



[Entrez Gene: 8357](#) Human

[Entrez Gene: 8358](#) Human

[Entrez Gene: 8968](#) Human

[Entrez Gene: 260423](#) Mouse

[Entrez Gene: 319148](#) Mouse

[Entrez Gene: 319149](#) Mouse

[Entrez Gene: 319150](#) Mouse

[Entrez Gene: 319151](#) Mouse

[Entrez Gene: 319152](#) Mouse

[Entrez Gene: 319153](#) Mouse

[Entrez Gene: 360198](#) Mouse

[Entrez Gene: 97908](#) Mouse

[Entrez Gene: 100364501](#) Rat

[Entrez Gene: 100365669](#) Rat

[Entrez Gene: 291159](#) Rat

[Entrez Gene: 314977](#) Rat

[Entrez Gene: 364716](#) Rat

[Entrez Gene: 679950](#) Rat

[Entrez Gene: 679994](#) Rat

[Entrez Gene: 680511](#) Rat

[Entrez Gene: 680599](#) Rat

[Entrez Gene: 682330](#) Rat

[Entrez Gene: 691496](#) Rat



[SwissProt: P68431](#) Human

[SwissProt: P84243](#) Human

[SwissProt: Q16695](#) Human

[SwissProt: Q6NXT2](#) Human

[SwissProt: Q71DI3](#) Human

[SwissProt: P68433](#) Mouse

[SwissProt: P84228](#) Mouse

[SwissProt: Q6LED0](#) Rat