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Rabbit Anti-Histone H3 (Di Methyl K4), Alexa Fluor® 680 conjugated antibody

SL3770R-AF680

Product Name	Histone H3 (Di Methyl K4), Bodipy Fluor 680 conjugated
Chinese Name	AF680 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)
Applications	Flow-Cyt=0.2µg /Test,IF=1:100-500 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℃. Store at -20 ℃ 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
Product Detail	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 **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