

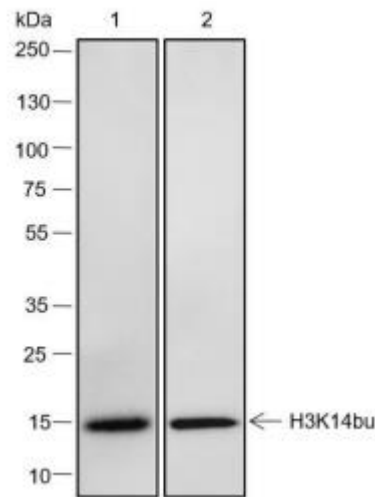
Rabbit Anti-Histone H3 (Butyryl-Lys14)antibody

SLM-60689R

Product Name	Histone H3 (Butyryl-Lys14)
Chinese Name	丁酰基组蛋白 H3Recombinant rabbit monoclonal anti
Alias	H3K122me2; Butyryl-Histone H3 (Lys14); Butyryl-Histone H3 (K14); 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;
Research Area	Signal transduction
Immunogen Species	Rabbit
Clonality	Monoclonal
Clone NO.	R3D9
React Species	Human,Mouse,Rat
Applications	WB=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	15kDa
Cellular localization	The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Histone H3 (Butyryl-Lys14)
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.
Product Detail	Subcellular Location: Nucleus. Chromosome. Note=Localizes to both the large, transcriptionally active, somatic macronucleus (MAC) and the small, transcriptionally inert, germ line micronucleus (MIC). SWISS: P68431 Gene ID: 8350 Database links: Entrez Gene: 8350 Human SwissProt: P68431 Human



Product Picture

Blocking buffer: 5% NFDN/TBST

Primary Ab dilution: 1:2000

Primary Ab incubation condition: 2 hours at
room temperature

Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP)

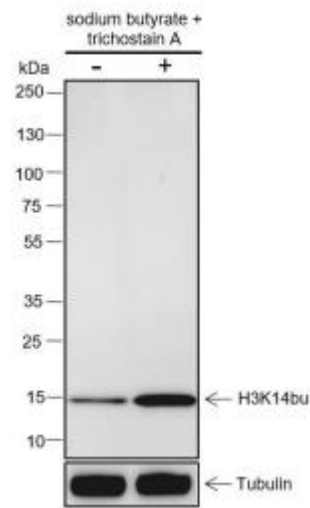
Lysate: 1: Neuro-2a, 2: BRL

Protein loading quantity: 20 μ g

Exposure time: 60 s

Predicted MW: 15 kDa

Observed MW: 15 kDa



Blocking buffer: 5% NFDN/TBST

Primary Ab dilution: 1:2000

Primary Ab incubation condition: 2 hours at
room temperature

Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP)

Lysate: (-): MCF-7+serum starvation (14 hr), (+):

MCF-7+ sodium butyrate (50 mM, 24 hr) +

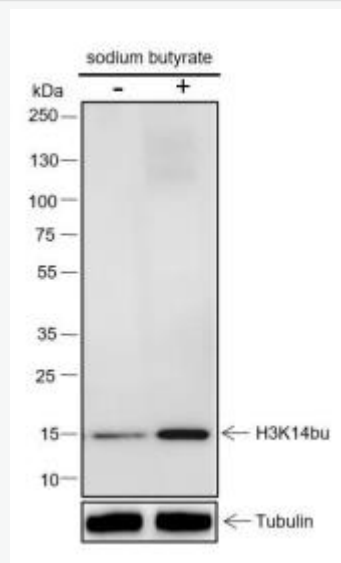
trichostatin A (500 ng/ml, 4 hr)

Protein loading quantity: 20 μ g

Exposure time: 60 s

Predicted MW: 15 kDa

Observed MW: 15 kDa



Blocking buffer: 5% NFDM/TBST

Primary Ab dilution: 1:2000

Primary Ab incubation condition: 2 hours at
room temperature

Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP)

Lysate: (-): HeLa, (+): HeLa+ sodium butyrate
(30 mM, 4 hr)

Protein loading quantity: 20 μ g

Exposure time: 60 s

Predicted MW: 15 kDa

Observed MW: 15 kDa