SunLong Biotech Co.,LTD
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Rabbit Anti-Histone H2A (Acetyl-Lys9)antibody

SLM-60663R

Product Name	Histone H2A (Acetyl-Lys9)
Chinese Name	乙酰化组蛋白 H2A 兔单克隆抗体
Alias	Acetyl-Histone H2A (Lys9); H2AK9ac; H2a 615; H2A; H2A GL101; H2A histone family member A; H2A.1; H2A.2; H2A/a; H2A/m; H2A/O; H2A/q; H2AFA; H2AFE; H2AFL; H2AFM; H2AFO; H2AFQ; HIST1H2AE; HIST1H2AJ antibody HIST2H2AA; HIST2H2AA3; HIST2H2AB; HIST2H2AC; Histone 1 H2ae; Histone 2 H2aa3; Histone 2 H2ab; Histone 2 H2ac; Histone H2A type 1 B; Histone H2A type 1 C; Histone H2A type 1 E; Histone H2A type 1 J; MGC74460.
Product Type	Acetylated anti Recombinant rabbit monoclonal anti
Research Area	Signal transduction Epigenetics
Immunogen Species	Rabbit
Clonality	Monoclonal
Clone NO.	R5F7
React Species	Human,Mouse
Applications	WB=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	14kDa
Cellular localization	cytoplasmic Extracellular matrix
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Histone H2A (Acetyl-Lys9)
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 °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
Product Detail	Histones 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 replication-dependent histone that is a member of the histone H2A family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Aug 2015] **Subcellular Location:** Cytoplasm; cytoskeleton. **Tissue Specificity:** Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues. **SWISS:** Q16777 **Gene ID:** 3012 **Database links:** Entrez Gene: 3012 Human Entrez Gene: 317772 Human Entrez Gene: 8335 Human Entrez Gene: 8337 Human Entrez Gene: 8338 Human

Entrez Gene: 319166 Mouse

Omim: 142720 Human

Omim: 602786 Human

Omim: 602797 Human

SwissProt: P04908 Human

SwissProt: P28001 Human

SwissProt: P35065 Human

SwissProt: Q93077 Human

SwissProt: Q99878 Human

SwissProt: P10812 Mouse

SwissProt: P22752 Mouse

Unigene: 121017 Human

Unigene: 248174 Human

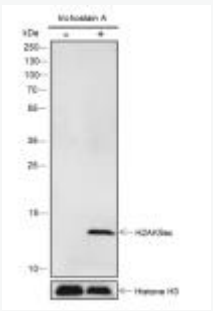
Unigene: 408067 Human

Unigene: 417332 Human

Unigene: 434195 Human

Unigene: 261665 Mouse

Product Picture



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Blocking buffer: 5% NFDM/TBST

Primary Ab dilution: 1:1000

Primary Ab incubation condition: 4℃ overnight

Secondary Ab: (-): NIH/3T3, (+): NIH/3T3+ trichostain

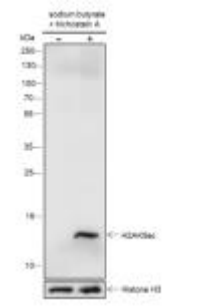
A (1μM, 18 hr)

Protein loading quantity: 20 μg

Exposure time: 60 s

Predicted MW: 14 KDa

Observed MW: 14 KDa



Blocking buffer: 5% NFDM/TBST

Primary Ab dilution: 1:1000

Primary Ab incubation condition: 4℃ overnight

Secondary Ab: (-): MCF-7, (+): MCF-7+ sodium

butyrate (50mM, 24hr) + trichostain A (500ng/ml, 4 hr)

Protein loading quantity: 20 μg

Exposure time: 60 s

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Predicted MW: 14 KDa

Observed MW: 14 KDa