

Histone H3(mono methyl K36) Rabbit mAb

Catalog No: #HW224

Package Size: #HW224-1 50ul #HW224-2 100ul

Description

Product Name	Histone H3(mono methyl K36) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SR04-20
Purification	ProA affinity purified
Applications	WB, ICC/IF
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	HIST1 cluster, H3J antibody Histone gene cluster 1, H3 histone family, member E antibody Histone gene cluster 1, H3G antibody H3 histone family, member J antibody HIST1 cluster, H3E antibody HIST1 cluster, H3I antibody Histone gene cluster 1, H3C antibody FLJ92264 antibody H3 histone family, member A antibody H3 histone family, member B antibody H3 histone family, member C antibody H3 histone family, member D antibody H3 histone family, member F antibody H3 histone family, member H antibody H3 histone family, member I antibody H3 histone family, member K antibody H3 histone family, member L antibody H3 histone family, member T antibody H3 histone, family 3A antibody H3.1 antibody H3.3A antibody H3/a antibody H3/b antibody H3/c antibody H3/d antibody h3/f antibody H3/h antibody H3/i antibody H3/j antibody H3/k antibody H3/l antibody H3/t antibody H31_HUMAN antibody H3F1K antibody H3F3 antibody H3F3A antibody H3FA antibody H3FB antibody H3FC antibody H3FD antibody H3FF antibody H3FH antibody H3FI antibody H3FJ antibody H3FK antibody H3FL antibody HIST1 cluster, H3A antibody HIST1 cluster, H3B antibody HIST1 cluster, H3C antibody HIST1 cluster, H3D antibody HIST1 cluster, H3F antibody HIST1 cluster, H3G antibody HIST1 cluster, H3H antibody HIST1H3A antibody HIST1H3B antibody HIST1H3C antibody HIST1H3D antibody HIST1H3E antibody HIST1H3F antibody HIST1H3G antibody HIST1H3H antibody HIST1H3I antibody HIST1H3J antibody HIST3H3 antibody Histone 1, H3a antibody Histone 1, H3b antibody Histone 1, H3c antibody Histone 1, H3d antibody Histone 1, H3e antibody Histone 1, H3f antibody Histone 1, H3g antibody Histone 1, H3h antibody Histone 1, H3i antibody Histone 1, H3j antibody histone 3, H3 antibody histone cluster 1 H3 family member a antibody histone cluster 1 H3 family member b antibody histone cluster 1 H3 family member c antibody histone cluster 1 H3 family member d antibody histone cluster 1 H3 family member e antibody histone cluster 1 H3 family member f antibody histone cluster 1 H3 family member g antibody histone cluster 1 H3 family member h antibody histone cluster 1 H3 family member i antibody histone cluster 1 H3 family member j antibody Histone cluster 1, H3a antibody Histone cluster 1, H3b antibody Histone cluster 1, H3c antibody Histone cluster 1, H3d antibody Histone cluster 1, H3e antibody Histone cluster 1, H3f antibody Histone cluster 1, H3g antibody Histone cluster 1, H3i antibody Histone cluster 1, H3j antibody Histone gene cluster 1, H3 histone family, member A antibody Histone gene cluster 1, H3 histone family, member B antibody Histone gene cluster 1, H3 histone family, member C antibody Histone gene cluster 1, H3 histone family, member D antibody Histone gene cluster 1, H3 histone family, member F antibody Histone gene cluster 1, H3 histone family, member G antibody Histone gene cluster 1, H3 histone family, member H

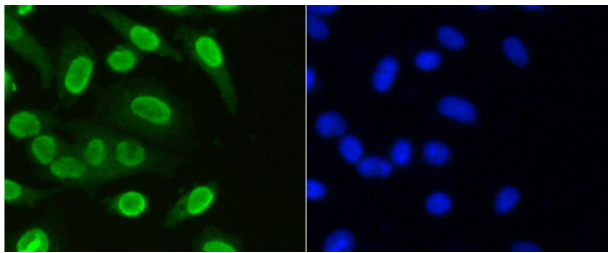
antibody Histone gene cluster 1, H3 histone family, member I antibody Histone gene cluster 1, H3 histone family, member J antibody Histone gene cluster 1, H3A antibody Histone gene cluster 1, H3B antibody Histone gene cluster 1, H3D antibody Histone gene cluster 1, H3E antibody Histone gene cluster 1, H3F antibody Histone gene cluster 1, H3H antibody Histone gene cluster 1, H3I antibody Histone gene cluster 1, H3J antibody Histone H 3 antibody Histone H3.1 antibody histone H3.1t antibody Histone H3.2 antibody Histone H3/a antibody Histone H3/b antibody Histone H3/c antibody Histone H3/d antibody Histone H3/f antibody Histone H3/h antibody Histone H3/i antibody Histone H3/j antibody Histone H3/k antibody Histone H3/l antibody Histone H3/m antibody Histone H3/o antibody

Accession No.	Swiss-Prot#:P68431
Calculated MW	15 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:1,000-1:2,000 ICC: 1:50-1:200

Images



ICC staining Histone H3(mono methyl K36) in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

In eukaryotes, DNA is wrapped around histone octamers to form the basic unit of chromatin structure. The octamer is composed of histones H2A, H2B, H3 and H4, and it associates with approximately 200 base pairs of DNA to form the nucleosome. The association of DNA with histones results in dense packing of chromatin, which restricts proteins involved in gene transcription from binding to DNA. Histone H3, the core protein of the nucleosome, becomes phosphorylated at the end of prophase. The two major sites of phosphorylation are the mitosis-specific site Ser10, and Ser28, both of which are extensively phosphorylated in DNA-bound forms of histone H3 and in nucleosomal histone H3. The nucleosome structure of histone H3 promotes N-terminal phosphorylation in vitro.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.