

# Histone H3(mono methyl K18) Rabbit mAb

Catalog No: #HW218



Package Size: #HW218-1 50ul #HW218-2 100ul

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## Description

Product Name	Histone H3(mono methyl K18) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SA42-07
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	<p>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</p>

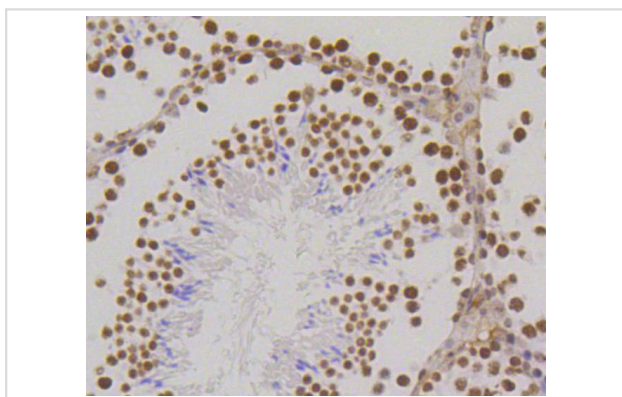
family, member J antibody Histone gene cluster 1, H3A antibody Histone gene cluster 1, H3B antibody Histone gene cluster 1, H3D antibody Histone gene cluster 1, H3E antibody Histone gene cluster 1, H3F antibody Histone gene cluster 1, H3H antibody Histone gene cluster 1, H3I antibody Histone gene cluster 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
Uniprot	P68431
GeneID	8350;8351;8352;8353;8354;8355;8356;8357;8358;8968;
Calculated MW	15 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

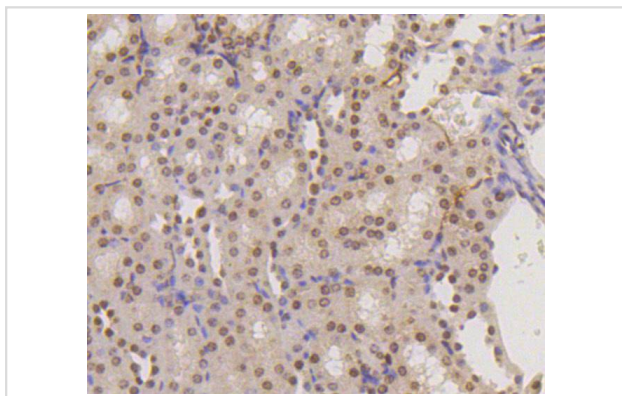
## Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200ICC: 1:50-1:200

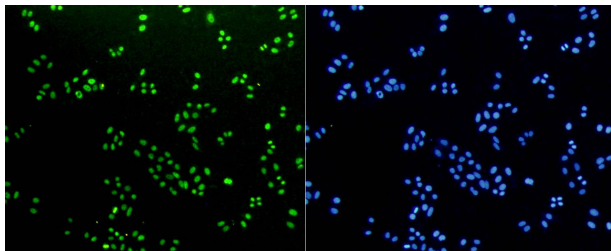
## Images



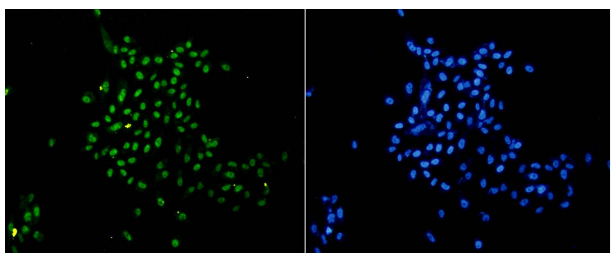
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Histone H3(mono methyl K18) antibody. Counter stained with hematoxylin.



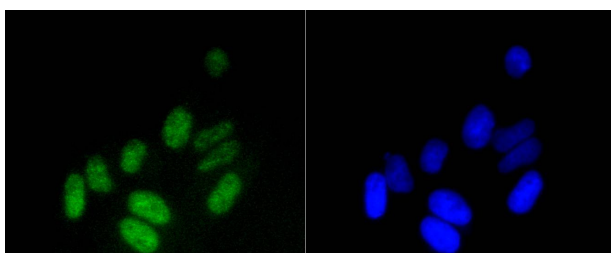
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Histone H3(mono methyl K18) antibody. Counter stained with hematoxylin.



ICC staining Histone H3(mono methyl K18) in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Histone H3(mono methyl K18) in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Histone H3(mono methyl K18) in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

Eukaryotic histones are basic and water soluble nuclear proteins that form hetero-octameric nucleosome particles by wrapping 146 base pairs of DNA in a left-handed super-helical turn sequentially to form chromosomal fibers. Two molecules of each of the four core histones (H2A, H2B, H3 and H4) form the octamer, which is comprised of two H2A-H2B dimers and two H3-H4 dimers, forming two nearly symmetrical halves by tertiary structure. Histones are subject to posttranslational modification by enzymes primarily on their N-terminal tails, but also in their globular domains. Human and mouse Histone H4 are subject to methylation at Lys 20, a modification that may be necessary for select DNA transactions or chromatin state transitions.

## References

Note: This product is for in vitro research use only