

## Histone H4(acetyl K5) Rabbit mAb

Catalog No: #HW222



Package Size: #HW222-1 50ul #HW222-2 100ul

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Support: tech@signalwayantibody.com

## Description

Product Name	Histone H4(acetyl K5) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SR31-07
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Histone gene cluster 1, H4A antibody Histone gene cluster 2, H4 antibody dJ160A22.1 antibody dJ160A22.2 antibody dJ221C16.1 antibody dJ221C16.9 antibody FO108 antibody H4 antibody H4 histone family, member A antibody H4 histone family, member B antibody H4 histone family, member C antibody H4 histone family, member D antibody H4 histone family, member E antibody H4 histone family, member G antibody H4 histone family, member H antibody H4 histone family, member I antibody H4 histone family, member J antibody H4 histone family, member K antibody H4 histone family, member M antibody H4 histone family, member N antibody H4 histone, family 2 antibody H4/A antibody H4/B antibody H4/C antibody H4/D antibody H4/E antibody H4/G antibody H4/H antibody H4/I antibody H4/J antibody H4/K antibody H4/M antibody H4/N antibody H4/O antibody H4/p antibody H4_HUMAN antibody H4F2 antibody H4F2iii antibody H4F2iv antibody H4FA antibody H4FB antibody H4FC antibody H4FD antibody H4FE antibody H4FG antibody H4FH antibody H4FI antibody H4FJ antibody H4FK antibody HIST1 cluster, H4A antibody HIST1 cluster, H4B antibody HIST1 cluster, H4D antibody HIST2H4 antibody Hist4 cluster, H4 antibody Hist4h4 antibody histone 1, H4a antibody histone 1, H4c antibody histone 1, H4d antibody histone 1, H4f antibody histone 1, H4h antibody histone 1, H4i antibody histone 1, H4j antibody histone 1, H4k antibody histone 1, H4l antibody histone 2, H4a antibody histone 2, H4b antibody Histone 4 family, member M antibody histone 4, H4 antibody histone cluster 1, H4 antibody histone cluster 1, H4a antibody histone cluster 1, H4b antibody histone cluster 1, H4c antibody histone cluster 1, H4d antibody histone cluster 1, H4e antibody histone cluster 1, H4f antibody histone cluster 1, H4h antibody histone cluster 1, H4i antibody histone cluster 1, H4j antibody histone cluster 1, H4k antibody histone cluster 1, H4l antibody histone cluster 2, H4a antibody histone cluster 2, H4b antibody histone cluster 4, H4 antibody Histone family, member A antibody Histone family, member B antibody Histone family, member D antibody Histone family, member H antibody Histone family, member I antibody Histone family, member L antibody Histone gene cluster 1, H4 antibody Histone gene cluster 1, H4D antibody Histone gene cluster 1, H4E antibody Histone gene cluster 1, H4K antibody Histone gene cluster 4, H4 antibody Histone gene cluster 4, H4 histone antibody Histone H4 antibody histone IV, family 2 antibody
Accession No.	Swiss-Prot#:P62805
Uniprot	P62805
GeneID	121504;554313;8294;8359;8360;8361;8362;8363;8364;8365;8366;8367;8368;8370;
Calculated MW	11 kDa

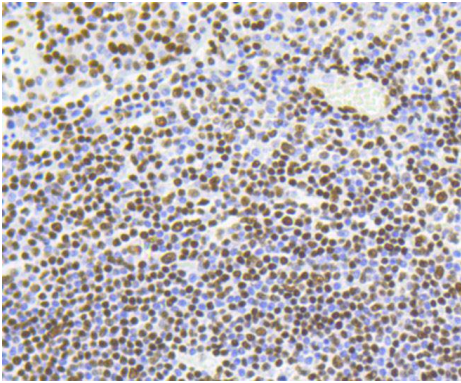
Formulation 1\*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.

Storage Store at -20°C

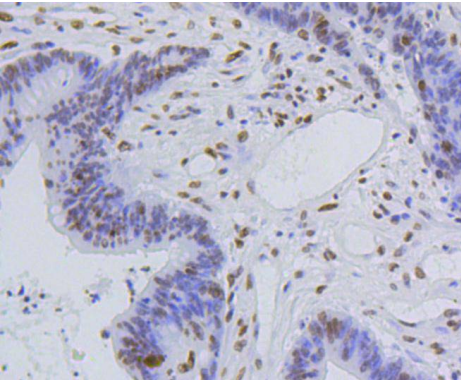
## Application Details

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

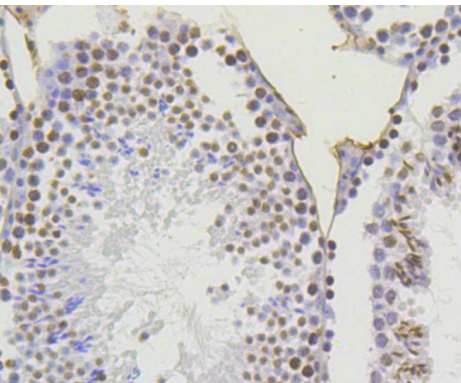
## Images



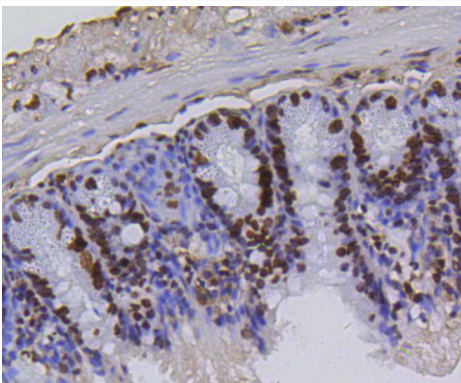
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Histone H4(acetyl K5) antibody. Counter stained with hematoxylin.



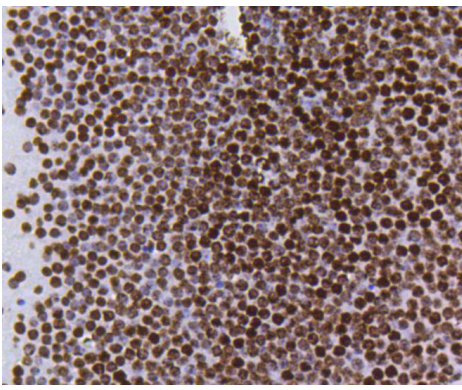
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Histone H4(acetyl K5) antibody. Counter stained with hematoxylin.



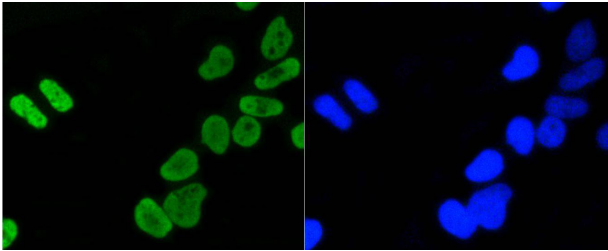
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Histone H4(acetyl K5) antibody. Counter stained with hematoxylin.



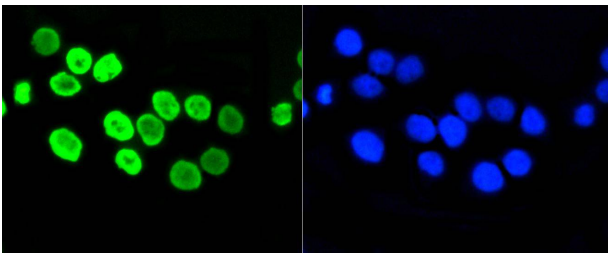
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-Histone H4(acetyl K5) antibody. Counter stained with hematoxylin.



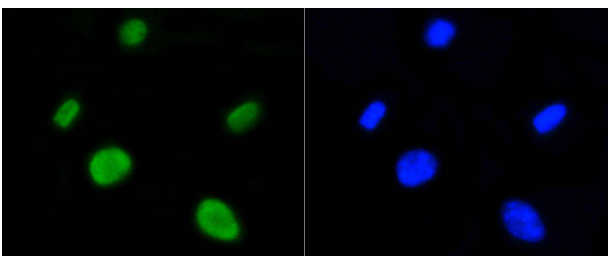
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Histone H4(acetyl K5) antibody. Counter stained with hematoxylin.



ICC staining Histone H4(acetyl K5) in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Histone H4(acetyl K5) in CRC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Histone H4(acetyl K5) in SH-SY-5Y cells (green). 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 fiber. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form the octamer; formed of two H2A-H2B dimers and two H3-H4 dimers, forming two nearly symmetrical halves by tertiary structure. Over 80% of nucleosomes contain the linker Histone H1, derived from an intronless gene, that interacts with linker DNA between nucleosomes and mediates compaction into higher order chromatin. Histones are subject to posttranslational modification by enzymes primarily on their N-terminal tails, but also in their globular domains. Such modifications include methylation, citrullination, acetylation, phosphorylation, sumoylation, ubiquitination and ADP-ribosylation.

## References

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Note: This product is for in vitro research use only