Product Datasheet

Histone H3 (acetyl K27) Rabbit mAb

Catalog No: #56909

Package Size: #56909-1 50ul #56909-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Histone H3 (acetyl K27) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human;Mouse;Rat
Specificity	Histone H3 (acetyl K27) Antibody detects endogenous levels of total Histone H3 (acetyl K27)
Immunogen Description	A synthesized peptide derived from Histone H3 (acetyl K27)
Conjugates	Unconjugated
Other Names	Histone H3.1, Histone H3, HIST1H3A;
Accession No.	Uniprot:P68431/P84243/Q16695/Q6NXT2/Q71DI3
Calculated MW	15kDa
SDS-PAGE MW	15kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Application Details

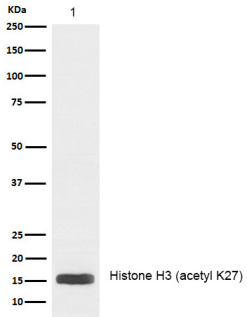
WB:1:500~1:2000

IHC:1:50~1:200

ICC/IF:1:50~1:200

CHIP:1:50

Images



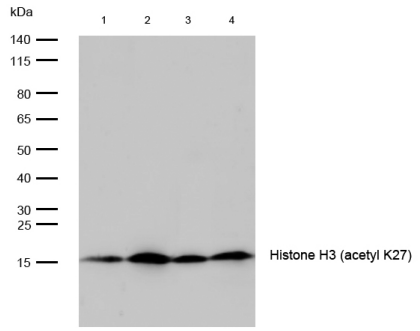
All lanes: Histone H3 (acetyl K27) Rabbit mAb at 1/1k dilution

Lane 1 : HeLa cell treated with TSA cell lysate
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 15 kDa
Observed band size: 15 kDa

Exposure time: 6 seconds



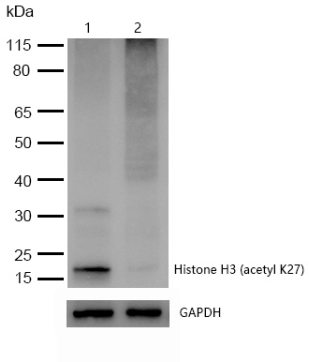
All lanes: Histone H3 (acetyl K27) Rabbit mAb at 1/1k dilution

Lane 1 : Mouse kidney lysates Lane 2 : Mouse brain lysates
Lane 3 : Rat kidney lysates Lane 4 : Rat brain lysates
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 15 kDa
Observed band size: 15 kDa

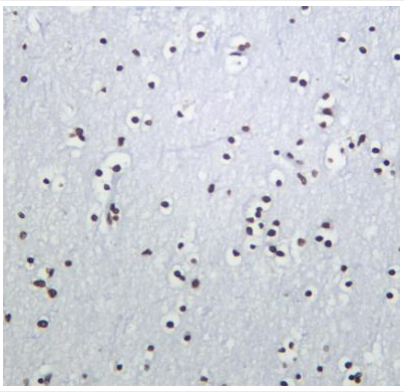
Exposure time: 8 seconds



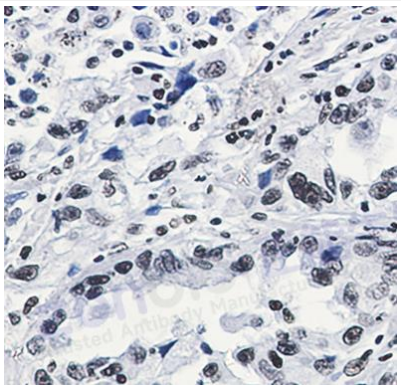
All lanes:Histone H3 (acetyl K27) Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type Hela cell lysate
Lane 2 : Histone H3 (acetyl K27) knockdown Hela cell lysate

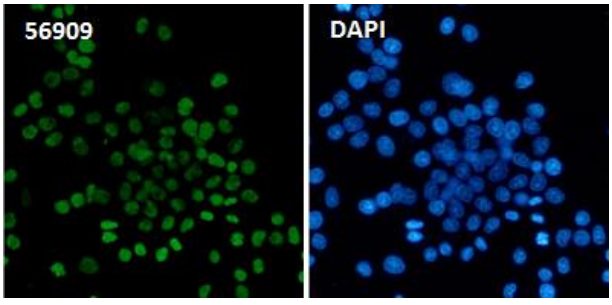
Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human brain tissue stained for Histone H3 (acetyl K27) using 56909 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded human lung cancer tissue stained for Histone H3 (acetyl K27) using 56909 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence Histone H3 (acetyl K27) antibody (56909) ICC/IF staining of Histone H3 (acetyl K27) in Hela cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 56909 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.

Product Description

Belongs to the histone H3 family. Play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

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