

Product Datasheet

Histone H3 Antibody (JJ090-07)

NBP2-67890

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-67890

Histone H3 Antibody (JJ090-07)

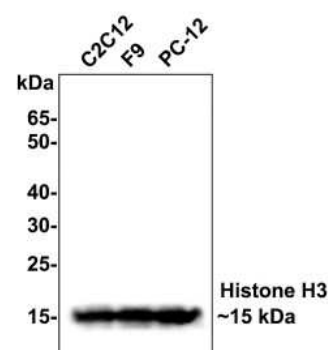
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JJ090-07
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Target Molecular Weight	15 kDa

Product Description	
Host	Rabbit
Gene Symbol	H3C14
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within human Histone H3 aa 85-136/136. (SwissProt: P68431 human; SwissProt: P84243 human; SwissProt: Q16695 human; SwissProt: Q6NXT2 human; SwissProt: Q71DI3 human; SwissProt: P68433 mouse; SwissProt: P84228 mouse; SwissProt: Q6LED0 rat)

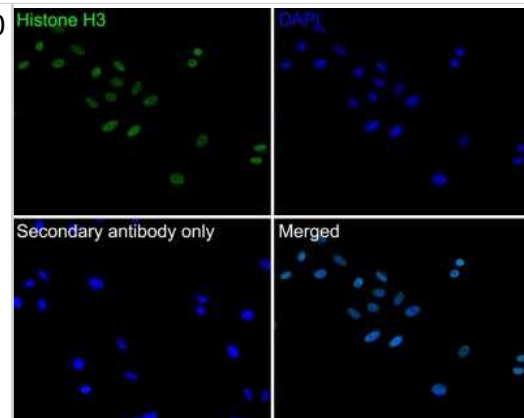
Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000-1:5000, Chromatin Immunoprecipitation, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:100-1:2000

Images

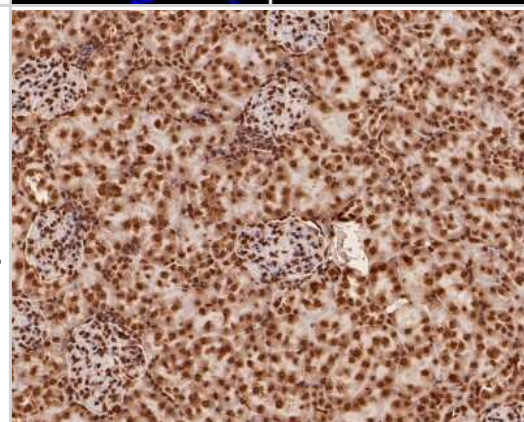
Western Blot: Histone H3 Antibody (JJ090-07) [NBP2-67890] - Analysis of Histone H3 on different lysates with Rabbit anti-Histone H3 antibody at 1/500 dilution. Lane 1: C2C12 cell lysate Lane 2: F9 cell lysate Lane 3: PC-12 cell lysate Lysates/proteins at 20 ug/Lane. Predicted band size: 15 kDa Observed band size: 15 kDa Exposure time: 3 seconds; 4-20% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/5,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:100,000 dilution was used for 1 hour at room temperature.



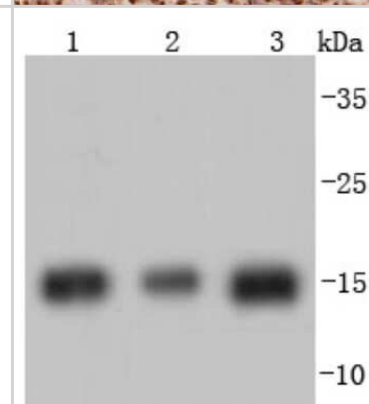
Immunocytochemistry/Immunofluorescence: Histone H3 Antibody (JJ090-07) [NBP2-67890] - Analysis of HeLa cells labeling Histone H3 with Rabbit anti-Histone H3 antibody (permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-Histone H3 antibody was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



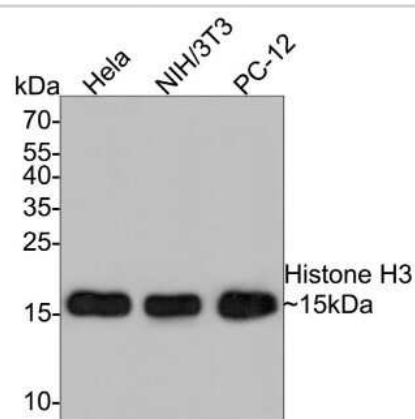
Immunohistochemistry-Paraffin: Histone H3 Antibody (JJ090-07) [NBP2-67890] - Analysis of paraffin-embedded rat kidney tissue with Rabbit anti-Histone H3 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



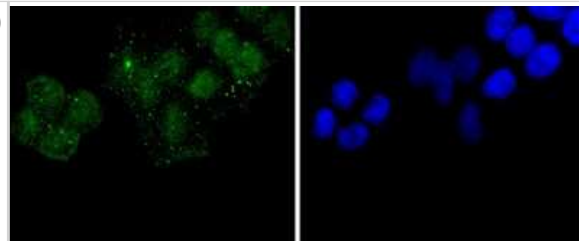
Western Blot: Histone H3 Antibody (JJ090-07) [NBP2-67890] - Analysis of Histone H3 on different lysates using anti-Histone H3 antibody at 1/1,000 dilution. Observed molecular weight is ~15 kDa. Positive control: Lane 1: HeLa Lane 2: MCF-7 Lane 3: NIH/3T3



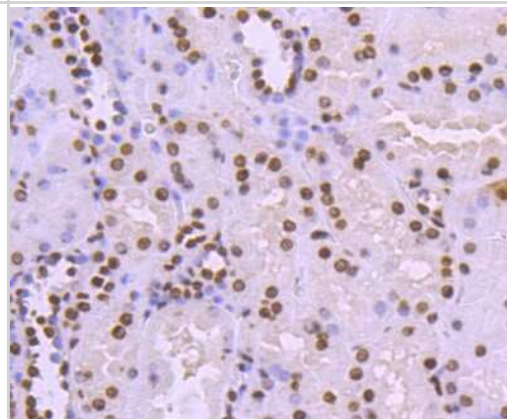
Western Blot: Histone H3 Antibody (JJ090-07) [NBP2-67890] - Analysis of Histone H3 on different lysates with Rabbit anti-Histone H3 antibody at 1/2,000 dilution. Lane 1: HeLa cell lysate Lane 2: NIH/3T3 cell lysate Lane 3: PC-12 cell lysate Lysates/proteins at 10 ug/Lane. Predicted band size: 15 kDa Observed band size: 15 kDa Exposure time: 30 seconds; 15% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/2,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



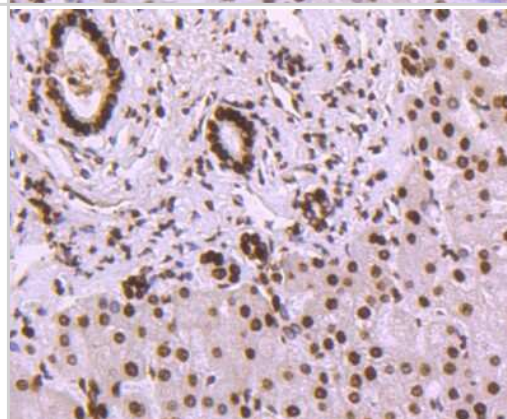
Immunocytochemistry/Immunofluorescence: Histone H3 Antibody (JJ090-07) [NBP2-67890] - Staining Histone H3 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



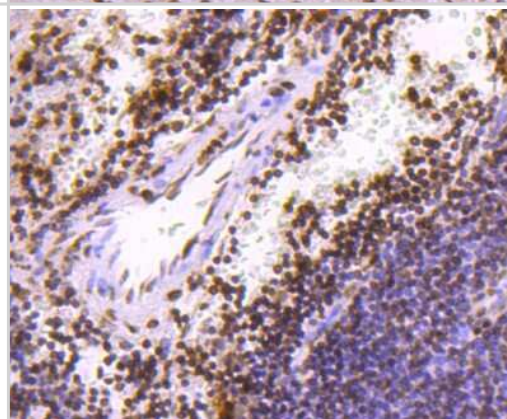
Immunohistochemistry-Paraffin: Histone H3 Antibody (JJ090-07) [NBP2-67890] - Analysis of paraffin-embedded human kidney tissue using anti-Histone H3 antibody. Counter stained with hematoxylin.



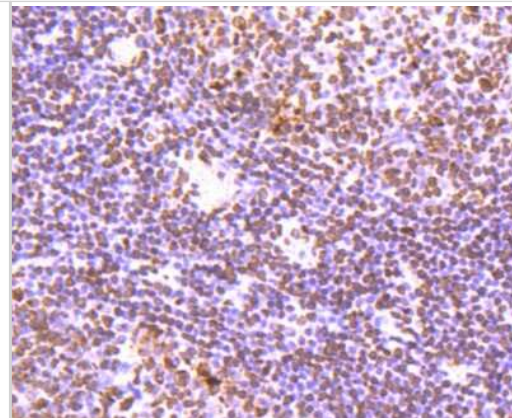
Immunohistochemistry-Paraffin: Histone H3 Antibody (JJ090-07) [NBP2-67890] - Analysis of paraffin-embedded human liver tissue using anti-Histone H3 antibody. Counter stained with hematoxylin.



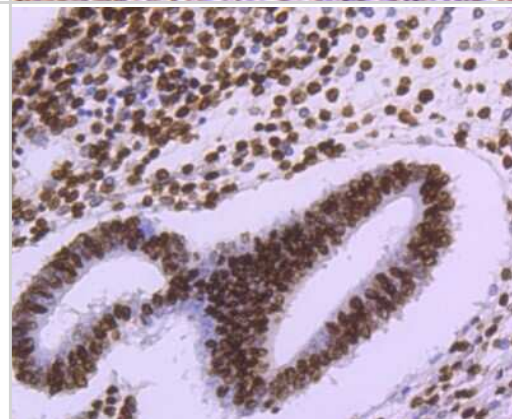
Immunohistochemistry-Paraffin: Histone H3 Antibody (JJ090-07) [NBP2-67890] - Analysis of paraffin-embedded human spleen tissue using anti-Histone H3 antibody. Counter stained with hematoxylin.



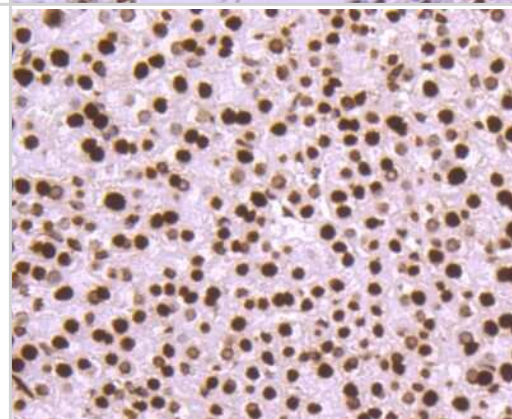
Immunohistochemistry-Paraffin: Histone H3 Antibody (JJ090-07) [NBP2-67890] - Analysis of paraffin-embedded human tonsil tissue using anti-Histone H3 antibody. Counter stained with hematoxylin.



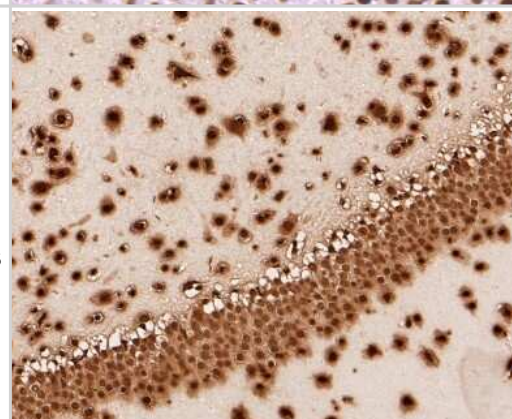
Immunohistochemistry-Paraffin: Histone H3 Antibody (JJ090-07) [NBP2-67890] - Analysis of paraffin-embedded human uterus tissue using anti-Histone H3 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Histone H3 Antibody (JJ090-07) [NBP2-67890] - Analysis of paraffin-embedded mouse liver tissue using anti-Histone H3 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Histone H3 Antibody (JJ090-07) [NBP2-67890] - Analysis of paraffin-embedded rat hippocampus tissue with Rabbit anti-Histone H3 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.





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