

Product Datasheet

Histone H4 [ac Lys8] Antibody (PS01-25) NBP3-32432

Unit Size: 100 ul

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

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NBP3-32432

Histone H4 [ac Lys8] Antibody (PS01-25)

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	PS01-25
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	11 kDa

Product Description	
Description	Novus Biologicals Rabbit Histone H4 [ac Lys8] Antibody (PS01-25) (NBP3-32432) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	121504
Gene Symbol	H4C16
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human Histone H4 aa 1-20 (ac Lys 8). (Uniprot: P62805)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:1000-1:5000



Images

Western Blot: Histone H4 [ac Lys8] Antibody (PS01-25) [NBP3-32432] - Western blot analysis of Histone H4 on different lysates with Rabbit anti-Histone H4 antibody (NBP3-32432) at 1/500 dilution.

Lane 1: Hela cell lysate, 10 ug/Lane
Lane 2: NIH/3T3 cell lysate, 10 ug/Lane
Lane 3: PC-12 cell lysate, 10 ug/Lane

Predicted band size: 11 kDa
Observed band size: 14/16 kDa

Exposure time: 2 minutes;

15% SDS-PAGE gel.

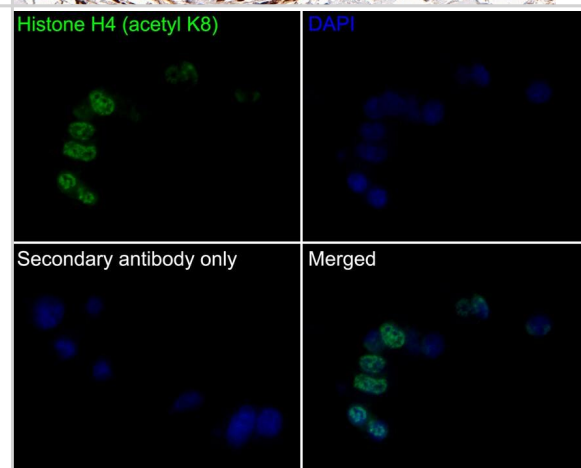
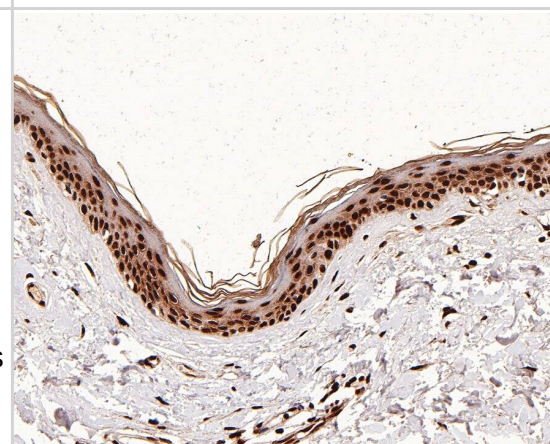
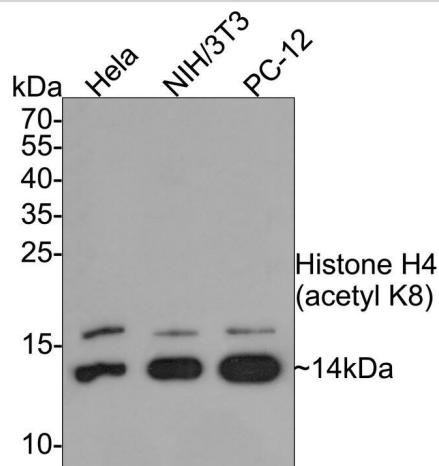
Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32432) at 1/500 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: Histone H4 [ac Lys8] Antibody (PS01-25) [NBP3-32432] - Immunohistochemical analysis of paraffin-embedded human skin tissue with Rabbit anti-Histone H4 antibody (NBP3-32432) at 1/1,000 dilution.

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 (NBP3-32432) at 1/1,000 dilution 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.

Immunocytochemistry/ Immunofluorescence: Histone H4 [ac Lys8] Antibody (PS01-25) [NBP3-32432] - Immunocytochemistry analysis of PC-12 cells labeling Histone H4 with Rabbit anti-Histone H4 antibody (NBP3-32432) at 1/50 dilution.

Cells were fixed in 4% paraformaldehyde for 10 minutes at 37 °C, 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 H4 antibody (NBP3-32432) at 1/50 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) 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.





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Products Related to NBP3-32432

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB21-2090PEP	Histone H4 [Trimethyl Lys20] Antibody Blocking Peptide

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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