

Product Datasheet

Histone H3 [ac Lys23] Antibody (JE46-39) NBP3-32428

Unit Size: 100 ul

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

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NBP3-32428

Histone H3 [ac Lys23] Antibody (JE46-39)

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	JE46-39
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	1*TBS (pH7.4), 0.05% BSA and 40% Glycerol
Target Molecular Weight	15 kDa
Product Description	
Host	Rabbit
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Mouse
Immunogen	Synthetic peptide corresponding to residues surrounding acetyl-Lys23 of human histone H3 protein. (Uniprot: P68431)
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:100



Images

Western Blot: Histone H3 [ac Lys23] Antibody (JE46-39) [NBP3-32428] - Western blot analysis of Histone H3 on different lysates with Rabbit anti-Histone H3 antibody (NBP3-32428) at 1/1,000 dilution.

Lane 1: HeLa cell lysate

Lane 2: HeLa treated with 500 ng/mL TSA for 4 hours cell lysate

Lane 3: NIH/3T3 cell lysate

Lane 4: NIH/3T3 treated with 500 ng/mL TSA for 4 hours cell lysate

Lysates/proteins at 40 ug/Lane.

Predicted band size: 15 kDa

Observed band size: 15/14 kDa

Exposure time: 1 minute;

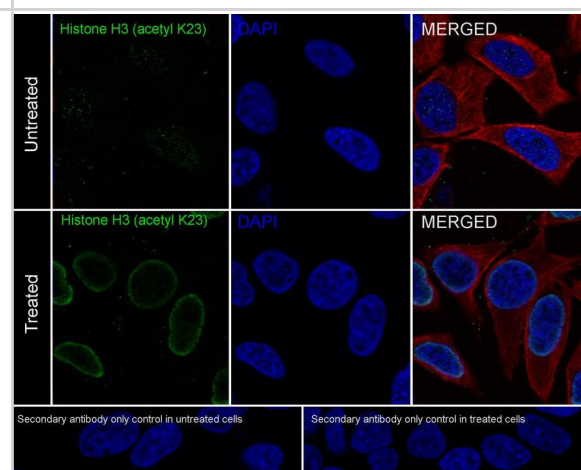
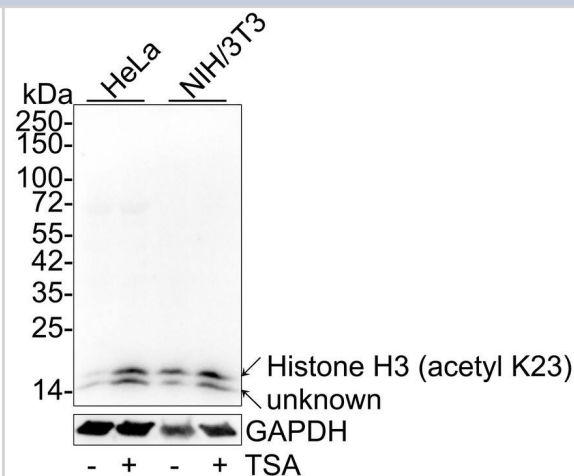
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32428) at 1/1,000 dilution was used in 5% NFDM/TBST at 4 overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

Immunocytochemistry/ Immunofluorescence: Histone H3 [ac Lys23] Antibody (JE46-39) [NBP3-32428] - Immunocytochemistry analysis of HeLa cells treated with or without 500 ng/mL TSA for 4 hours labeling Histone H3 with Rabbit anti-Histone H3 antibody (NBP3-32428) at 1/100 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 H3 antibody (NBP3-32428) at 1/100 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. Nuclear DNA was labelled in blue with DAPI.

Beta tubulin (red) was stained at 1/100 dilution overnight at +4°C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.





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Products Related to NBP3-32428

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB21-1071PEP	Histone H3 [Monomethyl Lys9] 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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