

Product Datasheet

Histone H3 [Monomethyl Lys37] Antibody - BSA Free NB21-1271-0.05mg

Unit Size: 0.05 mg

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

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Updated 2/21/2025 v.20.1

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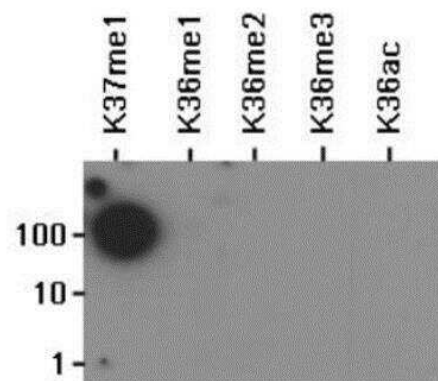
NB21-1271-0.05mg

Histone H3 [Monomethyl Lys37] Antibody - BSA Free

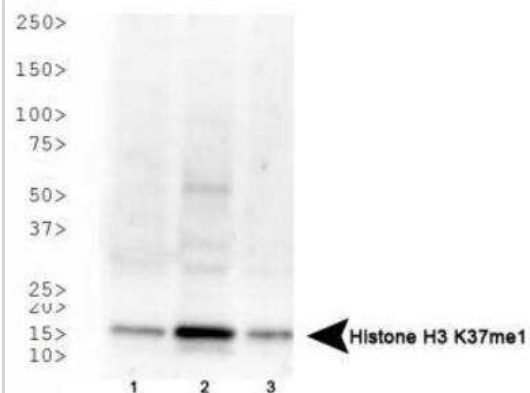
Product Information	
Unit Size	0.05 mg
Concentration	0.42 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS and 30% Glycerol
Target Molecular Weight	15 kDa
Product Description	
Host	Rabbit
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Mouse, C. elegans
Reactivity Notes	Predicted to react with many species including rat, chicken, Xenopus, Drosophila, and plant based on 100% sequence homology.
Immunogen	This Histone H3 [Monomethyl Lys37] antibody was raised against synthetic methylated peptide surrounding Lysine 37 of human Histone H3 [Swiss Prot Q71DI3].
Notes	Epi-Plus antibody production in collaboration with Rockland Immunochemicals Inc.
Product Application Details	
Applications	Western Blot, Dot Blot, Chromatin Immunoprecipitation (Negative), ICC/IF (Negative)
Recommended Dilutions	Western Blot 1ug/ml, Dot Blot 1:1000, ICC/IF (Negative), Chromatin Immunoprecipitation (Negative)
Application Notes	This Histone H3 K37me1 antibody is useful for Western Blot and Dot Blot. In Western Blot a band is seen ~15kDa in C. elegans embryo lysate, HeLa histone prep, and NIH 3T3 histone prep lysates. This antibody is not recommended for ChIP or Immunocytochemistry/Immunofluorescence.

Images

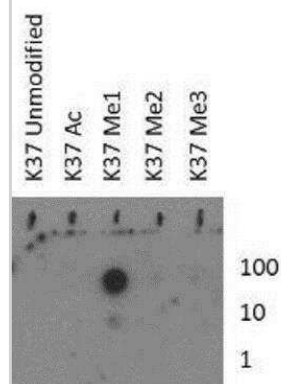
Dot Blot: Histone H3 [Monomethyl Lys37] Antibody [NB21-1271] - Dot blot analysis of Histone H3 K37me1 using the peptides listed above in picomoles of peptide.



Western Blot: Histone H3 [Monomethyl Lys37] Antibody [NB21-1271] - WB analysis of Histone H3 K37me1 in 1. HeLa histone prep, 2. NIH 3T3 histone prep and 3. C. elegans embryo lysate. Observed molecular weight is ~15 kDa.



Dot Blot: Histone H3 [Monomethyl Lys37] Antibody [NB21-1271] - Dot blot analysis of Histone H3 K37me1 using the peptides listed above in picomoles of peptide.



Procedures

Western Blot Protocol specific for H3 K37me1 antibody (NB21-1271)

Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 10 ug of histone preps per lane.
2. Transfer proteins to membrane according to the instructions provided by the manufacturer of the membrane and transfer apparatus.
3. Stain according to standard Ponceau S procedure (or similar product) to assess transfer success, and mark molecular weight standards where appropriate.
4. Rinse the blot.
5. Block the membrane using standard blocking buffer for at least 1 hour.
6. Wash the membrane in wash buffer three times for 10 minutes each.
7. Dilute primary antibody in blocking buffer and incubate 1 hour at room temperature.
8. Wash the membrane in wash buffer three times for 10 minutes each.
9. Apply the diluted HRP conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer three times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions.

Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%.

*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB21-1271-0.05mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB21-1271F	Histone H3 [Monomethyl Lys37] Antibody [FITC]

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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