

Product Datasheet

Histone H3 [Trimethyl Lys36] Antibody - BSA Free NB21-1253

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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Publications: 2

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NB21-1253**Histone H3 [Trimethyl Lys36] Antibody - BSA Free**

Product Information	
Unit Size	0.05 mg
Concentration	0.59 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	
Description	Novus Biologicals Rabbit Histone H3 [Trimethyl Lys36] Antibody - BSA Free (NB21-1253) is a polyclonal antibody validated for use in WB. Anti-Histone H3 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Mouse, C. elegans
Immunogen	This Histone H3 [Trimethyl Lys36] antibody was raised against synthetic trimethylated peptide surrounding Lysine 36 of human Histone H3.2 [Swiss Prot Q71DI3].
Notes	Epi-Plus antibody production in collaboration with Rockland Immunochemicals Inc.

Product Application Details	
Applications	Western Blot, Dot Blot
Recommended Dilutions	Western Blot 1:500, Dot Blot 0.5 ug/ml
Application Notes	In Western blot, a band is seen at ~15 kDa. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

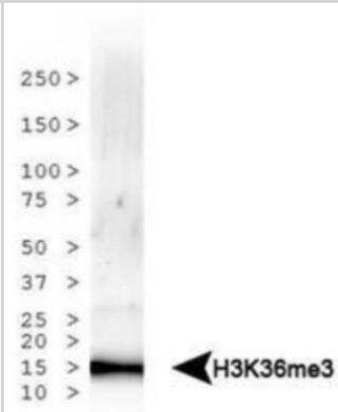
Images

Dot Blot: Histone H3 [Trimethyl Lys36] Antibody [NB21-1253] - Analysis of H3K36me3 in picomoles of peptide.

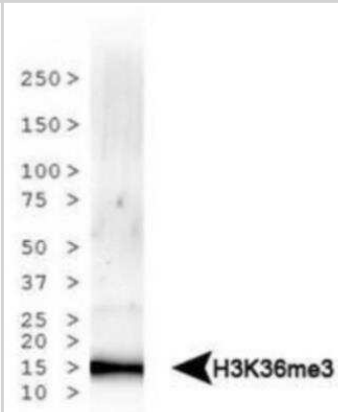


Western Blot: Histone H3 [Trimethyl Lys36] Antibody [NB21-1253] - Analysis of Histone H3K36me3 in *C. elegans* embryo lysate. Observed molecular weight is ~18 kDa.

250>
150>
100>
75>
50>
37>
25>
20>
15>
10>



Western Blot: Histone H3 [Trimethyl Lys36] Antibody - BSA Free [NB21-1253] - Detection of H3K36me3 in NIH/3T3 histone preps. Observed molecular weight is 15 kDa.



Publications

Wang K, Liu Y, Yu Z Et al. Phosphorylation at Ser68 facilitates DCAF11-mediated ubiquitination and degradation of CENP-A during the cell cycle *Cell reports* 2021-11-09 [PMID: 34758320] (WB, Human)

Gnangnon B, Freville A, Cailliau K et al. Plasmodium pseudo-Tyrosine Kinase-like binds PP1 and SERA5 and is exported to host erythrocytes *Sci Rep* 2019-05-31 [PMID: 31148576] (WB, Mouse)

Procedures

Protocol specific for H3K36me3 antibody (NB21-1253)

Histone H3 [Trimethyl Lys36] Antibody:

Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 40 ug of total protein 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 the 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 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.





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Products Related to NB21-1253

NB21-1253PEP	Histone H3 [Trimethyl Lys36] Antibody Blocking Peptide
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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