

Product Datasheet

Histone H3 [ac Lys23] Antibody - BSA Free NB21-1164

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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NB21-1164

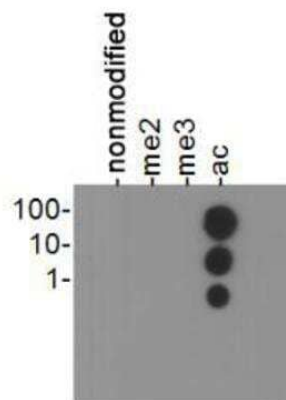
Histone H3 [ac Lys23] Antibody - BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	1.07 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 [ac Lys23] Antibody - BSA Free (NB21-1164) is a polyclonal antibody validated for use in WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
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 [ac Lys23] antibody was raised against synthetic acetylated peptide surrounding Lysine 23 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 1:500, Dot Blot 1:1000, ICC/IF (Negative), Chromatin Immunoprecipitation (Negative)
Application Notes	This Histone H3 K23ac antibody is useful for Dot Blot and Western Blot where a band is seen ~15kDa in HeLa histone prep and NIH 3T3 histone prep. This antibody is not recommended for ICC/IF or ChIP.

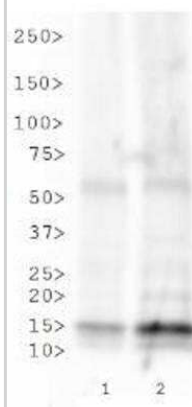


Images

Dot Blot: Histone H3 [ac Lys23] Antibody [NB21-1164] - Dot blot analysis of Histone H3 K23ac in picomoles of peptide.



Western Blot: Histone H3 [ac Lys23] Antibody [NB21-1164] - Western blot analysis of Histone H3 K23ac in 1. NIH 3T3 histone prep lysate and 2. HeLa histone prep lysate. Observed molecular weight is ~15 kDa.



Procedures

Western Blot protocol specific for H3 K23ac antibody (NB21-1164)

Histone H3 [ac Lys23] Antibody:

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.





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Products Related to NB21-1164

NB21-1164PEP	Histone H3 [ac Lys23] Antibody Blocking Peptide
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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