

Product Datasheet

3-methylcytosine (3-mC) Antibody (PSH03-21) NBP3-31984

Unit Size: 100 ul

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

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NBP3-31984**3-methylcytosine (3-mC) Antibody (PSH03-21)**

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	PSH03-21
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit 3-methylcytosine (3-mC) Antibody (PSH03-21) (NBP3-31984) is a recombinant monoclonal antibody validated for use in ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Species	Non-species specific
Immunogen	3-mc-OVA
Product Application Details	
Applications	Dot Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Immunocytochemistry/ Immunofluorescence 1:100, Dot Blot 1:2000



Images

Dot Blot: 3-methylcytosine (3-mC) Antibody (PSH03-21) [NBP3-31984] - Dot blot analysis of 3-methylcytosine (3-mC) on different proteins with Rabbit anti-3mC antibody (NBP3-31984) at 1/2,000 dilution. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution for 1 hour at room temperature.

Lane 1: Uridine-BSA (negative)
 Lane 2: Cytidine-BSA (negative)
 Lane 3: 5-Methylcytosine-BSA (negative)
 Lane 4: 3-Methylcytosine-BSA (positive)
 Lane 5: 5-Hydroxymethylcytidine-BSA (negative)

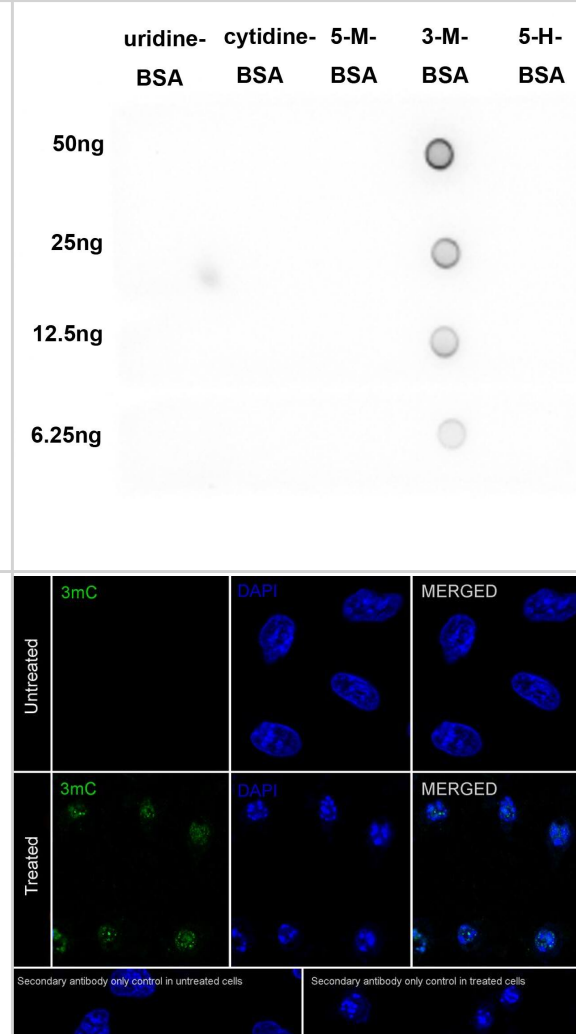
Proteins loading: 50ng, 25ng, 12.5ng, 6.25ng;

Blocking and dilution buffer: 5% NFDM/TBST;

Exposure time: 1 minute.

Immunocytochemistry/ Immunofluorescence: 3-methylcytosine (3-mC) Antibody (PSH03-21) [NBP3-31984] - Immunocytochemistry analysis of U-2 OS cells treated with 4mM Methyl Methanesulfonate for 1 hour labeling 3-methylcytosine (3-mC) with Rabbit anti-3-methylcytosine (3-mC) antibody (NBP3-31984) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-3-methylcytosine (3-mC) antibody (NBP3-31984) at 1/100 dilution in 1% BSA in PBST 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 NBP3-31984

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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