

Product Datasheet

Thymine Dimer Antibody (H3) - BSA Free NB600-1141

Unit Size: 0.025 ml

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Reviews: 1 Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB600-1141

Updated 10/23/2024 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB600-1141



NB600-1141

Thymine Dimer Antibody (H3) - BSA Free

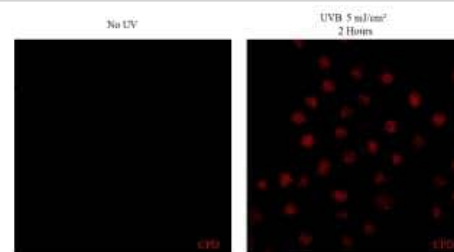
Product Information	
Unit Size	0.025 ml
Concentration	2.0 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	H3
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	10mM PBS (pH 7.4)

Product Description	
Host	Mouse
Species	Human, Non-species specific, Chicken
Specificity/Sensitivity	Monoclonal Anti-Thymine Dimer reacts specifically with the (5'-6') cyclobutane type of homothymine or thyminecytosine heterodimers. The antibody reacts with thymine dimers in single-stranded DNA, and has a lower affinity for the dimer in short oligonucleotides (a tail of minimum 10-20 thymine residues is required for efficient labeling of oligonucleotide probes). The product enables a sensitive and non-radioactive method for labeling, detection, and quantification of DNA fragments using ELISA, competitive ELISA, immunocytochemistry (laser-scan microscopy) and Southern immunoblotting.
Immunogen	tetra nucleotide containing cyclobutane thymine dimer (GTTG) conjugated to chicken gamma globulin.

Product Application Details	
Applications	Dot Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 1:10-1:2000, Dot Blot 0.5-1 ug/ml
Application Notes	Southern Blotting, use UV induced thymine dimers of lamda phage DNA fragments

Images

Immunocytochemistry/Immunofluorescence: Thymine Dimer Antibody (H3) [NB600-1141] - analysis of Thymine Dimer in human keratinocytes using anti-Thymine Dimer antibody. Image from verified customer review.



Publications

Wong W, Kim A, Monaghan JR et al. Spiny mice (*Acomys*) exhibit attenuated hallmarks of aging and rapid cell turnover after UV exposure in the skin epidermis PLOS ONE 2020-10-30 [PMID: 33125436] (Immunocytochemistry/Immunofluorescence)

Ong Q, Wee W, Dela Cruz J et al. 222-Nanometer Far-UVC Exposure Results in DNA Damage and Transcriptional Changes to Mammalian Cells International journal of molecular sciences 2022-08-14 [PMID: 36012379] (ICC/IF, Human)

Wong W, Crane ED, Zhang H et al. Pgc-1 alpha controls epidermal stem cell fate and skin repair by sustaining NAD+ homeostasis during aging Molecular metabolism 2022-08-17 [PMID: 35987498] (IHC-P, Mouse)

Details:

Staining done on mouse skin samples, Dilution used 1:400

Patil G Role of Pkc Delta in Uv Radiation Dna Damage Repair Thesis 2016-01-01 (ICC/IF, Human)





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 NB600-1141

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB600-1141

Earn gift cards/discounts by submitting a publication using this product:

www.novusbio.com/publications

