

Product Datasheet

West Nile Virus Envelope Antibody - BSA Free NB100-56744

Unit Size: 0.1 mg

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

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Publications: 1

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NB100-56744**West Nile Virus Envelope Antibody - BSA Free**

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS

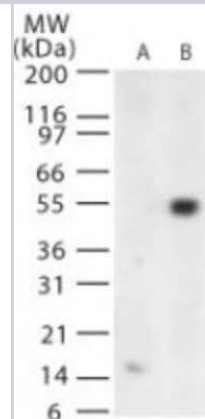
Product Description	
Description	Novus Biologicals Rabbit West Nile Virus Envelope Antibody - BSA Free (NB100-56744) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-West Nile Virus Envelope Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Species	Virus
Immunogen	A synthetic peptide corresponding to 73-86 (CPTMGEAHNEKRAD) of West Nile Virus Envelope glycoprotein (NC_001563).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1-3 ug/ml, Immunohistochemistry 1 ug/ml, Immunocytochemistry/Immunofluorescence reported in scientific literature (PMID 24920798), Immunohistochemistry-Paraffin 1 ug/ml

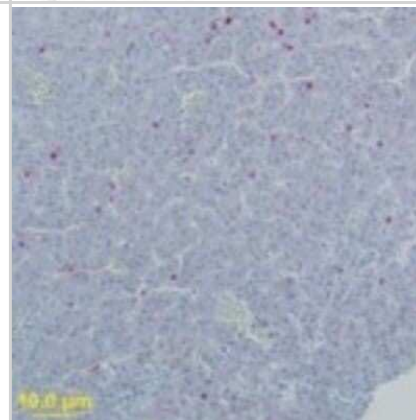


Images

Western Blot: West Nile Virus Envelope Antibody [NB100-56744] - Analysis using the Azide Free version of NB100-56744. Detection of West Nile Virus Envelope in (A) untransfected and (B) transfected cells using this antibody.



Immunohistochemistry-Paraffin: West Nile Virus Envelope Antibody [NB100-56744] - Analysis using the Azide Free version of NB100-56744. Staining of West Nile Virus Envelope in bird liver using this antibody at 1 ug/ml, incubated for 30 minutes. A Ventana brand second step antibody conjugated to biotin was applied followed with streptavidin-AKP. The substrate was Fast Red chromagen. The antigen retrieval method used to obtain staining: Ventana Protease 2 for three minutes at room temperature with a Parafilm coverslip. (using an autostainer which keeps residual fluid on the slides during every step, so the final concentration is approximately 2.5 times more dilute). Image and protocol used to generate this image are courtesy of Angela Ellis, University of Georgia College of Veterinary Medicine.



Publications

Beckham D. West Nile Virus-Induced Activation of Mammalian Target of Rapamycin Complex 1 Supports Viral Growth and Viral Protein Expression J. Virol. 2014-08-01 [PMID: 24920798] (WB, ICC/IF)

Details:

West Nile Virus Protein E / WNV envelope antibody used for WB and ICC-IF applications. WB performed on whole cell lysates of control and induced iRapKO MEFs that were inoculated at 72 h after induction with 1×10^6 PFU WNV/well (MOI of 1) and harvested at different times postadsorption [FIG 8A] as well as on control and induced iRicKO MEF cells which were inoculated at 72 h postinduction with 1×10^6 PFU WNV/well (MOI of 3) followed by harvesting at different times postadsorption [FIG 8B]. For ICC-IF, EtOH-induced, control MEF cells and 4OHT-induced iRapKO MEF cells were inoculated with 1×10^5 PFU WNV per well at 72 hours postinduction and immunostaining analysis was performed at 24 hpa with 10 minutes of fixation using 4% paraformaldehyde in PBS [FIG 9A]. [Note:- This paper cites the use of mouse monoclonal WNV envelope antibody, however, the authors confirmed that actually rabbit polyclonal NB100-56744 was used for these experiments].



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 NB100-56744

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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