

Datasheet for 200-401-I37**WNVM Antibody****Overview**

Description:	Anti-WNVM (RABBIT) Antibody - 200-401-I37
Item No.:	200-401-I37
Size:	100 µg
Applications:	IF, IHC, IP, WB
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	West Nile (WN), the most widespread among flaviviruses, was first isolated from the serum of a febrile woman in 1937 in the West Nile district of Uganda. West Nile virus was first detected in North America in 1999 and has subsequently spread throughout the United States and Canada and into Mexico and the Caribbean. In Africa, southern Europe, western Asia, and the United States, WNV has been isolated from mosquitoes of more than 40 species. In the United States, Canada, and Israel, WNV is responsible for significant avian mortality. Anti-WNVM Antibody is ideal for investigators involved in Neurobiology research and infectious disease research.
Synonyms:	West Nile Virus glycoprotein M
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	WNVM Antibody was produced from whole rabbit serum prepared by repeated immunizations with an internal sequence of WNVM protein.

Purity/Specificity: Anti-WNVN Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Anti-WNVN from multiple species based on 100% homology with the immunizing sequence. Cross-reactivity with Anti-WNVN from other sources has not been determined.

Relevant Links:

- [NCBI - NP_776013](#)

Application Details

Tested Applications: IF, IHC, IP, WB

Application Note: Anti-West Nile (WN) glycoprotein M Antibody is tested for use in IF/ICC, IHC-P, IP and WB. Expect a band approximately 8kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

IF: 1-2 µg/mL

IHC: 1.0 µg/mL

WB: 0.5-2 µg/mL

Formulation

Physical State: Liquid

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.05% (w/v) Sodium Azide

Stabilizer: 0.05% BSA

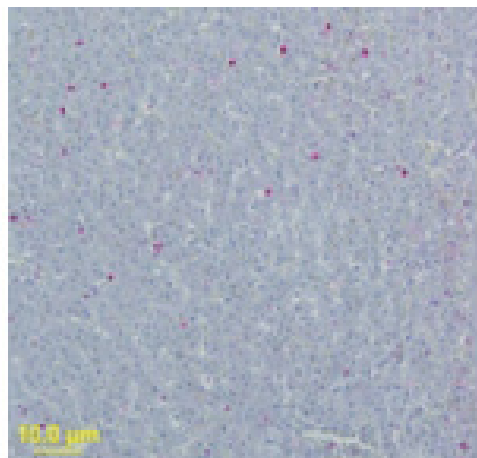
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

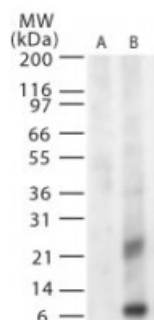


Immunohistochemistry

Immunohistochemistry of Rabbit Anti-WNVM antibody.
 Tissue: bird liver. Fixation: formalin fixed paraffin embedded. Antigen retrieval: Ventana Protease 2 for 3 minutes at room temperature with Parafilm coverslip. Primary antibody: WNVM antibody at 1 $\mu\text{g}/\text{mL}$ incubated for 30 minutes. Secondary antibody: Ventana brand second step antibody conjugated to biotin was applied followed with streptavidin-AKP with a Fast Red chromogen substrate. Staining: WNVM is stained purple.

Western Blot

Western Blot of Rabbit Anti-WNVM antibody. Lane A: untransfected mouse melanoma cells. Lane B: transfected mouse melanoma cells. Primary antibody: WNVM at 1 $\mu\text{g}/\text{mL}$ for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 80 kDa for WNVM. Other band(s): none.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.