

Rabbit West Nile Virus Envelope Polyclonal Antibody

West Nile Virus Envelope Antibody

CATALOG # AAA302890	HOST Rabbit	REACTIVITY Virus	APPLICATIONS ELISA
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PRODUCT SYNONYMS

West Nile Virus Envelope; Polyclonal Antibody; West Nile Virus Envelope Antibody; WNV Env; anti-West Nile Virus Envelope antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Virus
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Sequence Length	497
Applicable Applications for anti-West Nile Virus Envelope antibody	ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide corresponding to 15 amino acids near the center of the West Nile virus envelope protein.
Target Name	West Nile Virus Envelope
Preparation and Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

ADDITIONAL INFORMATION

Related Product Information for anti-West Nile Virus Envelope antibody	West Nile Virus (WNV) is a member of the Flaviviridae, a plus-stranded virus family that includes St. Louis encephalitis virus, yellow fever virus, and Dengue virus. WNV was initially isolated in 1937 in the West Nile region of Uganda and has become prevalent in Africa, Asia, and Europe. It has rapidly spread across the United States with cases being observed in every continental state. Virus particles consist of a dense core made up of the core/capsid protein encapsulating the RNA genome surrounded by a membrane envelope embedded with envelope and matrix proteins. While the viral core protein is thought to contribute to the WNV-associated inflammation via apoptosis induced through the caspase-9 pathway, the highly glycosylated envelope protein plays a major role for WNV entry into target cells as this entry can be inhibited by using a recombinant domain III from the envelope glycoprotein. The WNV receptor has recently been identified as alpha v beta 3 integrin.
Product Categories/Family for anti-West Nile Virus Envelope antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	27735302
NCBI Accession #	NP_776014

NCBI GenBank Nucleotide #	NP_041724.2
NCBI Official Full Name	unnamed protein product

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/west-nile-virus-envelope-antibody-elisa/302890>