

Product datasheet for **TA160063**

nonstructural protein NS5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	ELISA: 1 ug/mL
Reactivity:	West Nile Virus
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	West Nile virus matrix antibody was raised against a synthetic peptide corresponding to 15 amino acids near the middle of the west nile virus matrix precursor protein.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Database Link:	NP_776012 P06935
Background:	West Nile Virus Matrix 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. However, when the viruses are inside of infected cells, the matrix protein exists in its "pre-M" form as a heterodimer with the envelope proteins. Cleavage of the "pre-M" protein to its mature form occurs during release of the virus; this cleavage leads to the dissociation of the heterodimers. The WNV receptor has recently been identified as alpha v beta 3 integrin.



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