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Datasheet for ABIN6990507
anti-WNV Core antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	WNV Core
Binding Specificity:	N-Term
Reactivity:	West Nile Virus (WNV)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNV Core antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	WNV Core antibody was raised against a synthetic peptide corresponding to 15 amino acids near the amino-terminus of the WNV Core protein. The immunogen is located within the first 50 amino acids of WNV Core .
Isotype:	IgG
Purification:	WNV Core Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	WNV Core
Alternative Name:	WNV Core (WNV Core Products)
Target Type:	Viral Protein

Target Details

Background: WNV Core 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 which play a major role for WNV entry into target cells. The viral core protein is thought to contribute to the WNV-associated inflammation via apoptosis induced through the caspase-9 pathway as delivery of core gene delivery into the striatum of mouse brain and skeletal muscle resulted in cell death and inflammation.

Gene ID: 912267

NCBI Accession: [NP_776011](#)

UniProt: [P06935](#)

Application Details

Application Notes: WNV Core antibody can be used for the detection of the WNV Core protein in ELISA. It will detect 10 ng of free peptide at 1 µg/mL.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: WNV Core Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: WNV Core antibody can be stored at 4°C for three months and -20°C, stable for up to 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.