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Datasheet for ABIN6990508
anti-WNV Core antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	WNV Core
Binding Specificity:	AA 80-130, C-Term
Reactivity:	West Nile Virus (WNV)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNV Core antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunocytochemistry (ICC)

Product Details

Immunogen:	West Nile Virus Core antibody was raised against a synthetic peptide corresponding to 15 amino acids near the carboxy terminus of the West Nile Virus core protein. The immunogen is located within amino acids 80 - 130 of West Nile Virus Core.
Isotype:	IgG
Purification:	West Nile Virus Core Antibody is affinity chromatography purified via peptide column.

Target Details

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

Target Details

Background: West Nile Virus 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: West Nile virus 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. This antibody will also detect the protein in immunoblot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 20 µg/mL.

Antibody validated: Western Blot in human samples and Immunocytochemistry in monkey samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: West Nile Virus 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

Handling

Storage Comment: West Nile Virus 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.