

Rabbit West Nile Virus Core Polyclonal Antibody | anti-WNVgp1 antibody

West Nile Virus Core Antibody

CATALOG # AAA39640	HOST Rabbit	REACTIVITY Virus	APPLICATIONS Immunocytochemistry, Western Blot, ELISA
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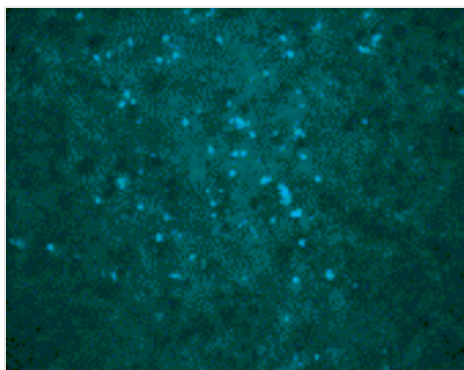
PRODUCT SYNONYMS

West Nile Virus Core; Polyclonal Antibody; West Nile Virus Core Antibody; Genome polyprotein; Core protein; NS1; Anchored core protein C; anti-WNVgp1 antibody

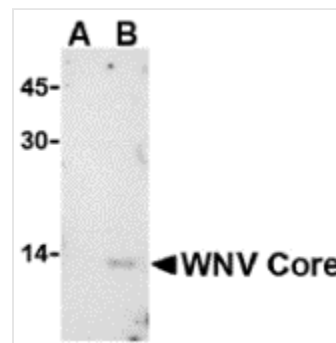
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Virus
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	West Nile Virus Core Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	123
Applicable Applications for anti-WNVgp1 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
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.
Buffer	West Nile Virus Core Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	West Nile Virus Core antibody can be stored at 4 degree C for three months and -20 degree 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.

IMAGES


ICC (Immunocytochemistry)

Immunocytochemical staining of transfected Vero cells using WNV Core antibody at 20 µg/mL.


WB (Western Blot)

Western blot analysis of WNV Core in (A) untransfected or (B) transfected HeLa lysate with WNV Core antibody at 1 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-WNVgp1 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27735299
NCBI GeneID	912267
NCBI Accession #	NP_776011
NCBI GenBank Nucleotide #	NP_041724.2
UniProt Accession #	P06935
Molecular Weight	380,110 Da
NCBI Official Full Name	unnamed protein product
NCBI Official Symbol	flavivirus polyprotein gene
NCBI Protein Information	flavivirus polyprotein; truncated flavivirus polyprotein NS1 prime; capsid protein C; anchored capsid protein C; membrane glycoprotein precursor M; membrane glycoprotein M; envelope protein E; nonstructural protein NS1; nonstructural protein NS2A; nonstructural protein NS2B; nonstructural protein NS3; nonstructural protein NS4A; protein 2K; nonstructural protein NS4B; RNA-dependent RNA polymerase NS5; nonstructural protein NS1 prime
UniProt Protein Name	Genome polyprotein
UniProt Gene Name	NS1
UniProt Synonym Gene Names	NS2A; NS4A; NS4B
UniProt Entry Name	POLG_WNV

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://stage.aaabiotech.com/polyclonal/west-nile-virus-core-antibody-immunocytochemistry-western-blot-elisa/39640>