

Rabbit WNV Polyclonal Antibody | anti-WNV antibody

RABBIT ANTI WNV CORE PROTEIN (C-TERMINAL)

CATALOG # AAA50061	HOST Rabbit	APPLICATIONS Western Blot, Immunofluorescence, ELISA
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PRODUCT SYNONYMS

WNV; Polyclonal Antibody; RABBIT ANTI WNV CORE PROTEIN (C-TERMINAL); anti-WNV antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Specificity	This item recognises the 14kDa core protein of West Nile Virus (WNV). WNV belongs to the Flaviviridae family which includes closely viruses such as Dengue fever, Yellow fever and Tick borne encephalitis. West Nile Virus particles consist of a dense core made up of the core/capsid protein encapsulating the RNA genome surrounded by a membrane envelope containing envelope and matrix proteins. Research indicates that the viral core protein contributes to the WNV-associated inflammation via apoptosis induced through the caspase-9 pathway. West Nile Virus is spread by mosquitos and is believed to have originated in the West Nile region of Africa but has now spread to Europe, Asia and America where it has become a significant disease affecting human and domestic animal health.
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	3430
Applicable Applications for anti-WNV antibody	WB (Western Blot), IF (Immunofluorescence), ELISA
Perservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Immunogen	A peptide corresponding to an 15 amino acid sequence from near the carboxy terminus of West Nile Virus core protein. Buffer Solution
Antiserum Preparation	Antiserum to human West Nile Virus core protein was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Target Species	Viral
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Immunofluorescent staining of WNV transfected Vero cells with Rabbit anti WNV core protein (AAA50061)



Application Data

Western blot analysis of WNV transfected (B) and untransfected (A) HeLa cell lysates probed with Rabbit anti WNV core protein (AAA50061)

ADDITIONAL INFORMATION

Related Product Information for anti-WNV antibody

MBS223747 recognises the 14kDa core protein of West Nile Virus (WNV). WNV belongs to the Flaviviridae family which includes closely viruses such as Dengue fever, Yellow fever and Tick borne encephalitis. West Nile Virus particles consist of a dense core made up of the core/capsid protein encapsulating the RNA genome surrounded by a membrane envelope containing envelope and matrix proteins. Research indicates that the viral core protein contributes to the WNV-associated inflammation via apoptosis induced through the caspase-9 pathway. West Nile Virus is spread by mosquitos and is believed to have originated in the West Nile region of Africa but has now spread to Europe, Asia and America where it has become a significant disease affecting human and domestic animal health.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11528014
NCBI GeneID	912267
NCBI Accession #	NP_041724.2
NCBI GenBank Nucleotide #	NC_001563.2
UniProt Accession #	P06935
Molecular Weight	380,110 Da
NCBI Official Full Name	unnamed protein product
NCBI Official Symbol	WNVgp1
NCBI Protein Information	polyprotein precursor; capsid protein C; anchored capsid protein C; membrane glycoprotein precursor prM; membrane glycoprotein M; envelope protein E; nonstructural protein NS1; nonstructural protein NS2A; nonstructural protein NS2B; nonstructural protein NS3; nonstructural protein NS4A; 2K protein; nonstructural protein NS4B; nonstructural protein NS5
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/wnv-antibody-western-blot-immunofluorescence-elisa/50061>