



Rabbit Anti-WNV Envelope Antigen (center) Polyclonal antibody (DPAB4223)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to West Nile Virus Envelope Protein (IN).
Target	WNV Envelope Antigen
Immunogen	Rabbit polyclonal WNV Envelope antibody was raised against a synthetic peptide corresponding to 15 amino acids near the center of the WNV Envelope protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	WNV
Purification	Affinity chromatography purified via peptide column.
Conjugate	Unconjugated
Applications	ELISA
Reconstitution	During shipment, small volumes of antibody will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µl or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tablet
Format	Antibody is supplied in PBS containing 0.02% sodium azide.
Preservative	0.02% Sodium Azide
Storage	Antibody can be stored at 4°C, stable for 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.

BACKGROUND

Introduction	West Nile Virus (WNV) is a single-stranded RNA (positive sense) virus of the family Flaviviridae, genus Flavivirus, commonly found in Africa, West Asia and the Middle East. It causes disease that is characterized by flu-like symptoms. In a small number of cases this can develop into West Nile Encephalitis (infection of the brain and spinal cord). The viral envelope consists of envelope E and membrane M proteins. The roles of the E protein include virion assembly, recognition of cell receptors, cell endosomal membrane fusion, agglutination of red blood cells, and induction of immune responses.
Keywords	Blocking Peptide; Envelope protein; Envelope protein E; Genome polyprotein; Major envelope protein E; West Nile virus; West Nile Virus (E protein) peptide; West Nile Virus (E protein) protein; West Nile Virus M glycoprotein peptide; West Nile Virus preM protein; West Nile Virus Matrix Protein; WNV; WNV Env (IN); WNV Core protein (CT); WNV envelope protein; WNV Envelope protein (CT); WNV Matrix protein (CT); WNVgp1; Caspase-9 (IN1); Group IV; Flaviviridae; Flavivirus.