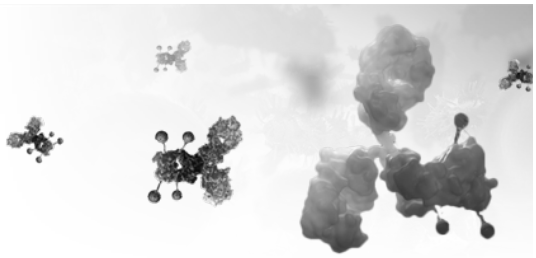

Rabbit Anti-RVFV Nucleoprotein Polyclonal Antibody (CABT-CS646)

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

PRODUCT INFORMATION

Specificity	RVFV nucleoprotein
Target	RVFV nucleoprotein
Immunogen	Recombinant, IMAC-purified, RVFV nucleoprotein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	RVFV
Purification	No
Conjugate	unconjugated
Applications	WB, IHC
Format	Liquid
Size	1 ml
Preservative	None
Storage	Store at -80°C. Avoid freeze / thaw cycles.
Ship	dry ice

BACKGROUND

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Introduction	The RVFV Nucleoprotein forms a filamentous coat that protects RVFV's RNA genome and is required for RNA replication and transcription by the viral polymerase. Ferron et al. produced a crystal structure, which shows that the nucleoprotein forms a hexameric ring with a high degree of structural flexibility to allow various RNA-binding conformations. Within the inner ring, positive residues are shown to bind RNA and are conserved across Phlebovirus species. Xu et al. surmise that RVFV N-subunit vaccines are able to induce a cell-mediated response to protect against RVFV in mice and demonstrate that the nucleoprotein is a key immunogen during infection.
Keywords	RVFV; Rift Valley fever Virus; RVFV nucleoprotein; RVFV NP

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