

Zika Envelope Antibody

Catalog # ASC12114

Product Information

Application	E
Primary Accession	Q32ZE1
Other Accession	AMR39836
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Clone Names	Zika Envelope
Calculated MW	378736

Additional Information

Gene ID	7751225
Alias Symbol	Zika Envelope
Other Names	Zika Envelope Antibody: Zika Env, Zika E
Reconstitution & Storage	Zika Envelope 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.
Precautions	Zika Envelope Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	POLG
Function	[Capsid protein C]: Capsid protein C self-assembles to form an icosahedral capsid about 30 nm in diameter. The capsid encapsulates the genomic RNA (Probable). Plays a role in virus budding by binding to the host cell membrane and packages the viral RNA into a nucleocapsid that forms the core of the mature virus particle. During virus entry, may induce genome penetration into the host cytoplasm after hemifusion induced by the surface proteins. Can migrate to the cell nucleus where it modulates host functions. Inhibits the integrated stress response (ISR) in the infected cell (By similarity).
Cellular Location	[Capsid protein C]: Virion {ECO:0000250 UniProtKB:P17763}. Host nucleus {ECO:0000250 UniProtKB:P17763}. Host cytoplasm {ECO:0000250 UniProtKB:P06935}. Host cytoplasm, host perinuclear region {ECO:0000250 UniProtKB:P06935} [Small envelope protein M]: Virion membrane {ECO:0000250 UniProtKB:P17763}; Multi-pass membrane protein. Host endoplasmic reticulum membrane {ECO:0000250 UniProtKB:P17763}; Multi-pass membrane protein [Non-structural protein 1]: Secreted

{ECO:0000250|UniProtKB:P17763}. Host endoplasmic reticulum membrane; Peripheral membrane protein; Lumenal side
{ECO:0000250|UniProtKB:P17763}. Note=Located in RE-derived vesicles hosting the replication complex. {ECO:0000250|UniProtKB:Q9Q6P4} [Serine protease subunit NS2B]: Host endoplasmic reticulum membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P17763} [Non-structural protein 4A]: Host endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P17763}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P17763}. Note=Located in RE-associated vesicles hosting the replication complex {ECO:0000250|UniProtKB:P17763} [RNA-directed RNA polymerase/Methyltransferase NS5]: Host endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Host nucleus. Note=Located in RE-associated vesicles hosting the replication complex. NS5 protein is mainly localized in the nucleus rather than in ER vesicles. {ECO:0000250|UniProtKB:P17763}

Background

Zika virus (ZIKV) is a member of the virus family Flaviviridae. It is spread by daytime-active Aedes mosquitoes, such as A. aegypti and A. albopictus. Zika virus is related to the dengue, yellow fever, Japanese encephalitis, and West Nile viruses. Zika often causes no or only mild symptoms, similar to a very mild form of dengue fever. Zika can also spread from a pregnant woman to her fetus. This can result in microcephaly, severe brain malformations, and other birth defects. This antibody is specific to the Envelope protein.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.