

Zika Envelope Antibody
Catalog # ASC12114**Specification****Zika Envelope Antibody - Product Information**

| | |
|-------------------|--------------------------|
| Application | E |
| Primary Accession | Q32ZE1 |
| Other Accession | AMR39836 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |

Zika Envelope Antibody - 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.

Zika Envelope Antibody - Protein Information

Name POLG

Function

[Capsid protein C]: 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; Luminal 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 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}

Zika Envelope Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Zika Envelope Antibody - Images

Zika Envelope Antibody - 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.