

Inhibition of Zika virus by a common antibiotic

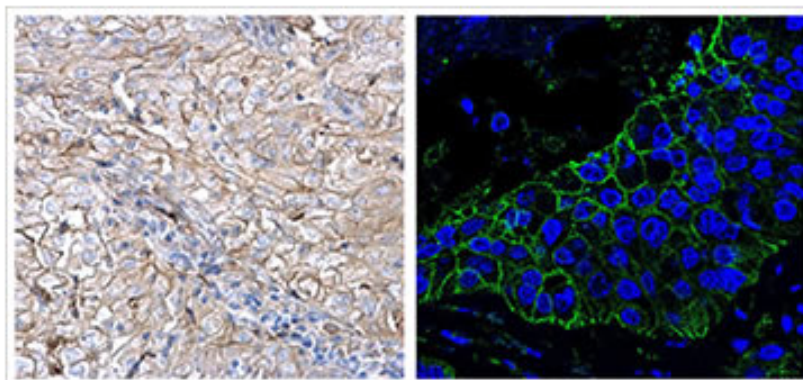
Zika virus (ZIKV) exploded into international prominence in 2015 with its relentless spread across the Americas and other regions, raising global concern due to its apparent causation of microcephaly and other neurodevelopmental anomalies in newborns from infected mothers. In a recent report, Retallack *et al.* [1] examined the pathophysiology of ZIKV infection using human brain tissue slices and found that the virus preferentially infects neural stem cells and various types of glial cells, which is consistent with some of the neuropathological features observed in patients. The authors also further established that AXL is a key viral entry receptor for glial cells. They extended their study by screening more than 2,000 unique, clinically approved compounds for anti-ZIKV activity and identified the commonly prescribed macrolide antibiotic azithromycin, which is particularly exciting given that this drug appears to be safe during pregnancy. Thus, this paper presents important new details in terms of ZIKV cell tropism, the significance of AXL for viral entry into cells, and potentially crucial findings relevant to therapeutic intervention.

GeneTex is proud to offer a unique collection of antibodies to detect eight ZIKV proteins, including Capsid, prM/M, Envelope, NS1, NS2B, NS3, NS4B, and NS5. Please see the highlighted products below or [Click here](#) to view the full list of these ZIKV-related reagents.

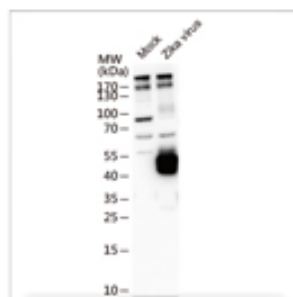
Reliable GeneTex Antibodies for ZIKV Research

- ✓ An extensive line of research antibodies against eight different ZIKV proteins
- ✓ Cited and independently reviewed
- ✓ Validated for WB on lysate from ZIKV-infected cells
- ✓ Antibodies that distinguish Zika from Dengue and Chikungunya viruses via IFA

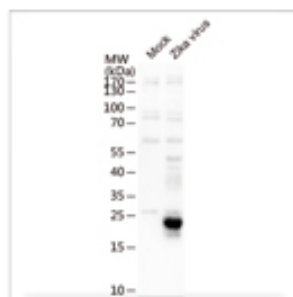
 Citation Support  KO/KD Validated



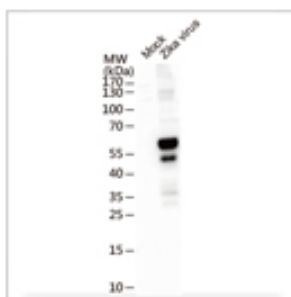
[AXL antibody \(GTX129407\)](#) detects AXL expression on the cell membranes of human lung cancer tissue by IHC analysis.



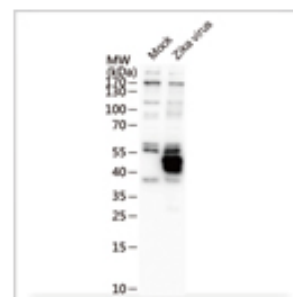
[Zika virus Capsid protein antibody \(GTX133304\)](#)



[Zika virus PrM protein antibody \(GTX133305\)](#)




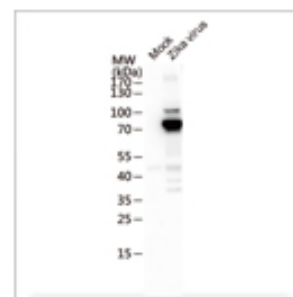
[Zika virus Envelope protein antibody \(GTX133314\)](#)




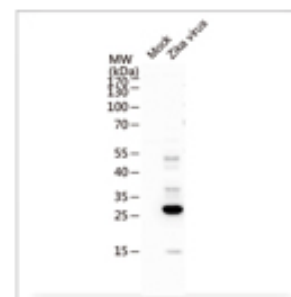
[Zika virus NS1 protein antibody \(GTX133307\)](#)



[Zika virus NS2B protein antibody \(GTX133308\)](#) 



[Zika virus NS3 protein antibody \(GTX133309\)](#) 



[Zika virus NS4B protein antibody \(GTX133311\)](#)



[Zika virus NS5 protein antibody \(GTX133312\)](#)

Reference:

1. [Proc Natl Acad Sci U S A. 2016 Dec 13;113\(50\):14408-14413.](#)