

Anti-GP (Zaire Ebolavirus 2014) Rabbit Polyclonal Antiserum

CATALOG NUMBER: ZEB-GP-105

Introduction

The Ebola virus (EBOV) is a mononegavirus which contains a 19 kb single-stand RNA encoding seven proteins, nucleoprotein (NP), including polymerase cofactors (VP35), matrix protein (VP40), Glycoprotein (GP), transcription activator (VP30), VP24, and RNA-dependent RNA polymerase (L). Rates of genetic change of ebolavirus are 100 times slower than influenza A in humans, but on the same magnitude as those of hepatitis B.

The main Ebolavirus glycoprotein (GP) is the only viral protein found on the surface of the Ebola viron and is therefore responsible for mediating attachment and entry of the virus into host cells.

Applications

Western blot (1:500-2,000) or other applications

Description

Rabbit polyclonal antibody

Immunogen

A mixture of full length GP protein and truncated GP protein (without "mucin-like domain") of Zaire Ebolavirus (isolate H.sapiens wt/GIN/2014/Gueckedou-C07) (GenBank Accession No. KJ660347)

Specificity

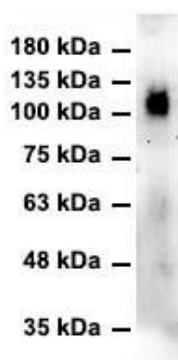
Reacts with GP protein of Zaire Ebolavirus (2014). Cross-reactivity to other EBOV subtypes or strains not tested.

Storage

Store at 4 °C; Stable for 6-months from the date of shipment when kept at 4 °C. Non-hazardous, no MSDS required.

Contents

100 µl rabbit anti-serum with 0.1% sodium azide



Western Blot: Ebolavirus GP protein (isolate H.sapiens wt/GIN/2014/Gueckedou-C07)

Reference:

1. Baize, S, et al. Emergence of Zaire Ebola virus disease in Guinea. N Engl J Med, 371: 1418-1425, 2014.