



Anti-SIV type 1 Nef polyclonal antibody (DPAB3984)

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

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Nef (SIV-1/mac239).
Antigen Description	Nef is a early protein that appears to play a role in optimizing the host cell environment for viral replication without causing cell death by apoptosis. Nef enhances virus infectivity and pathogenicity. It down modulates surface MHC I molecules and internalized molecules are sequestered to the trans-Golgi network. The number of cell surface CD4 antigen are decreased by interacting with the Src family kinase LCK thereby inducing LCK CD4 dissociation and by increasing clathrin-dependent endocytosis of this antigen to target it to lysosomal degradation.
Specificity	Reacts with SIV Nef protein. Cross-reactivity to other subtypes not tested
Target	SIV type 1 Nef
Immunogen	in vivo expressed SIV Nef protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	SIV
Purification	Immunoaffinity chromatography
Conjugate	Unconjugated
Applications	WB
Size	100 µg
Preservative	None

Storage

Store at 4 oC; DO NOT FREEZE; Stable for 6 months from the date of shipment. Non-hazardous.

BACKGROUND

Introduction

Simian immunodeficiency virus (SIV), also known as African Green Monkey virus, is a retrovirus able to infect at least 33 species of African primates. Based on analysis of strains found in four species of monkeys from Bioko Island, which was isolated from the mainland by rising sea levels about 11,000 years ago, it has been concluded that SIV has been present in monkeys and apes for at least 32,000 years, and probably much longer.

Keywords

Nef (SIV-1/mac239); Group VI; Retroviridae; Lentivirus; Simian immunodeficiency virus; 3"ORF; F protein; Negative factor; African Green Monkey virus
