

Product datasheet

Anti-HIV1 Nef antibody ab63919

1 Image

Overview

Product name	Anti-HIV1 Nef antibody
Description	Guinea pig polyclonal to HIV1 Nef
Host species	Guinea pig
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Human immunodeficiency virus
Immunogen	Recombinant Nef protein over-expressed in E. coli with a plasmid carrying the Nef coding region of HIV1 virus, subtype B.
Positive control	Extract of MT4 cells uninfected or infected with HIV1 (LAI strain).
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 6 Preservative: 0.09% Sodium azide Constituent: Whole serum
Purity	Whole antiserum
Purification notes	ab93919 is highly purified by several steps of chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab63919 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

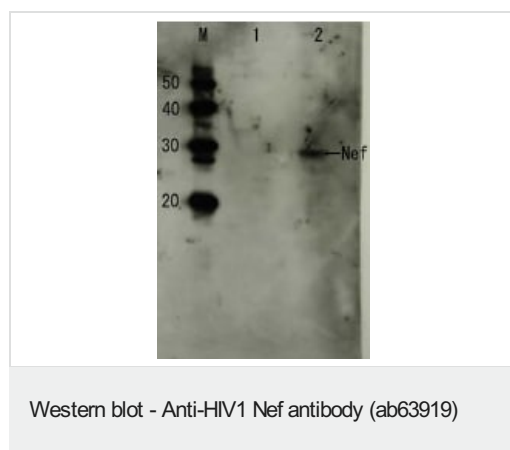
Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 24 kDa.
ELISA		Use at an assay dependent dilution.

Target

Relevance

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.

Images



All lanes : Anti-HIV1 Nef antibody (ab63919) at 1/1000 dilution

Lane 1 : Extract of MT4 cells

Lane 2 : Extract of MT4 cells infected with HIV1 (LAI strain)

Predicted band size: 24 kDa

Observed band size: 27 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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