

Product datasheet

Anti-HIV1 Nef antibody ab63918

[2 Images](#)

Overview

Product name	Anti-HIV1 Nef antibody
Description	Rabbit polyclonal to HIV1 Nef
Host species	Rabbit
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Other species
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>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
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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	ab63918 is highly purified by several steps of chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab63918** in the following tested applications.

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

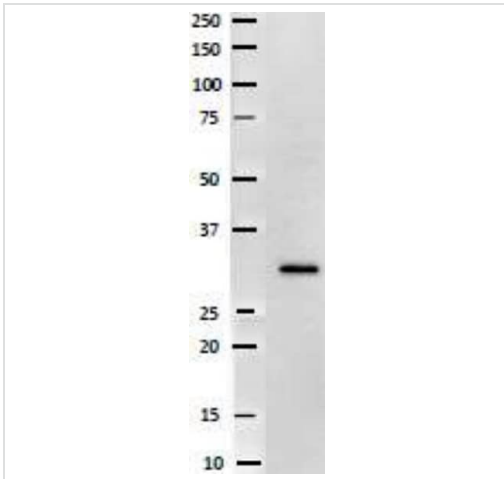
Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 24 kDa.
ELISA		Use at an assay dependent dilution.

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.

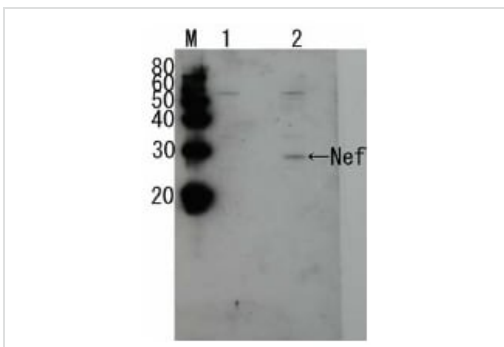
Images



Western blot - Anti-HIV1 Nef antibody (ab63918)

Anti-HIV1 Nef antibody (ab63918) at 1/1000 dilution + Extract of HIV-2 (strain UC2) infected cell

Predicted band size: 24 kDa



Western blot - Anti-HIV1 Nef antibody (ab63918)

All lanes : Anti-HIV1 Nef antibody (ab63918) 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

[why is the actual band size different from the predicted?](#)

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

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- Response to your inquiry within 24 hours
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