abcam

Anti-HIV1 Nef antibody [3D12] ab42355

19 References   1 Image

Overview

Product name	Anti-HIV1 Nef antibody [3D12]
Description	Mouse monoclonal [3D12] to HIV1 Nef
Host species	Mouse
Specificity	This antibody reacts with the rNEF of HIV 1 subtype B and C,
Tested applications	**Suitable for:** ICC/IF, ELISA, WB
Species reactivity	**Reacts with:** Human immunodeficiency virus
Immunogen	Recombinant Nef protein of HIV1 HXB2.
Epitope	Mapped to amino acids 35-50 (RDLEKHGAITSSNTAA - HIV1 HXB2)
General notes	Also known as clone 01-002.

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.

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Protein A purified
Purification notes	Purified by affinty chromatography.
Clonality	Monoclonal
Clone number	3D12
Isotype	IgG1

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab42355 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
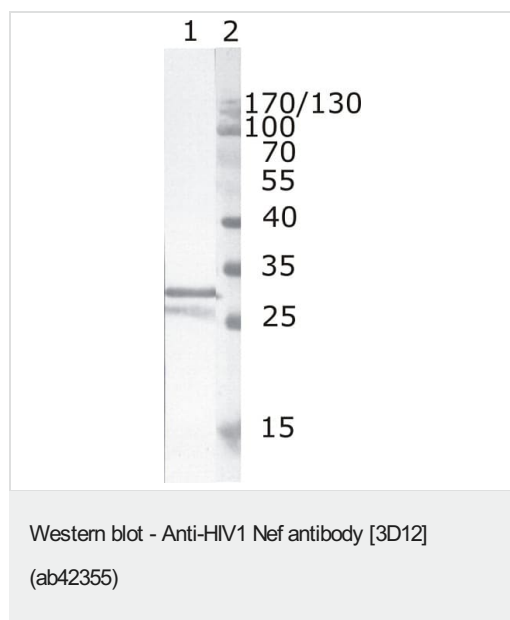
Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
ELISA		1/5000.
WB		1/500. Predicted molecular weight: 24 kDa.

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 sequested 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

Lane 1 : Anti-HIV1 Nef antibody [3D12] (ab42355)

Lane 1 : Recombinant HIV1 Nef (B subtype)

Lane 2 : Protein size marker

Predicted band size: 24 kDa

Western blot - Anti-HIV1 Nef antibody [3D12] (ab42355)

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

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