Product datasheet

Anti-HIV1 Nef antibody [3D12] ab42355

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: Other species
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 affinity 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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td>1/5000.</td>
</tr>
<tr>
<td>WB</td>
<td></td>
<td>1/500. Predicted molecular weight: 24 kDa.</td>
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</table>

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

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

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

Our Abpromise to you: Quality guaranteed and expert technical support
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• Valid for 12 months from date of delivery
• Response to your inquiry within 24 hours

• We provide support in Chinese, English, French, German, Japanese and Spanish
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• We investigate all quality concerns to ensure our products perform to the highest standards

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