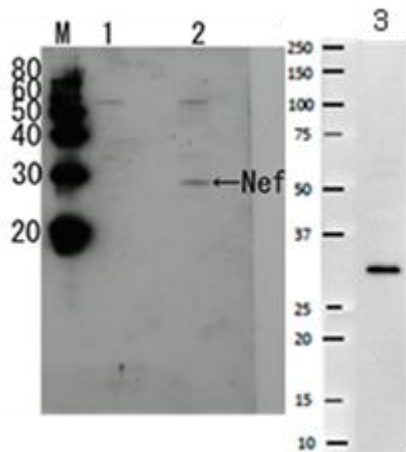


### Anti-HIV-1 Nef antibody, rabbit serum

<b>Product code</b>	65-015
<b>Size</b>	100 µl
<b>Storage</b>	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Concentration</b>	N/A
<b>Buffer</b>	0.09% sodium azide
<b>Purity</b>	Rabbit antiserum
<b>Immunogen</b>	Purified full-size recombinant Nef of HIV-1 group M, subtype B expressed in E. coli
<b>Isotype</b>	N/A
<b>Reactivity</b>	Nef protein of HIV-1 and HIV-2
<b>Special notes</b>	N/A
<b>Application</b>	<ol style="list-style-type: none"><li>1. Western blot (1/1,000~1/3,000)</li><li>2. Dot blot (1/3000)</li><li>3. Immunoprecipitation (assay dependent)</li><li>4. ELISA (assay dependent)</li></ol> Other applications have not been tested
<b>Background</b>	HIV-1 Nef is one of the accessory proteins synthesized in the early stage of AIDS virus reproduction and is abundantly found in infected cells. The name derives from its <u>n</u> egative <u>f</u> actor thought at the beginning but presently it is remarked as the protein which bears a most distinctive biological characteristic of AIDS virus (1). The protein interacts directly with the signal transduction protein of the host T cell and works effectively on AIDS infection or on long term survival of the infected cells or induces apoptosis of non-infected cells (2). It is also involved in the endocytosis and degradation of cell surface receptor proteins such as CD4 and MH4 which are important for AIDS virus infection.
<b>Data Link</b>	UniProtKB <a href="#">P03406</a> (NEF_HV1BR)      GenBank: <a href="#">AAA44988.1</a>

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

**Data Images:** 65-015 Anti-HIV-1 Nef antibody, rabbit serum



**Fig.1 Detection of HIV-1 and HIV-2 Nef by Western blotting**

Lane 1: Extract of MT4 cells

Lane 2: Extract of MT4 cells infected with HIV-1(LAI strain)

Lane 3: Extract of HIV-2 (strain UC2) infected cell

The antiserum was diluted 1,000 fold before use.

#### **Related Products:**

65-025 Anti- HIV-1 Nef antibody, rabbit polyclonal

#### **References**

1. Arora VK *et al* "Nef: agent of cell subversion" *Microbes Infect* **4**: 189-199 (2002) Review PMID: [11880052](#)
2. Fackler OT and Baur AS "Live and let die: Nef functions beyond HIV replication" *Immunity* **16**:493-497 (2002) Review PMID: [11970873](#)