

Anti-HIV-1 Nef antibody, rabbit serum

Product code	65-015
Size	100 µl
Storage	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Concentration	N/A
Buffer	0.09% sodium azide
Purity	Rabbit antiserum
Immunogen	Purified full-size recombinant Nef of HIV-1 group M, subtype B expressed in E. coli
Isotype	N/A
Reactivity	Nef protein of HIV-1 and HIV-2
Special notes	N/A
Application	<ol style="list-style-type: none">1. Western blot (1/1,000~1/3,000)2. Dot blot (1/3000)3. Immunoprecipitation (assay dependent)4. ELISA (assay dependent) Other applications have not been tested
Background	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.
Data Link	UniProtKB P03406 (NEF_HV1BR) GenBank: AAA44988.1

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

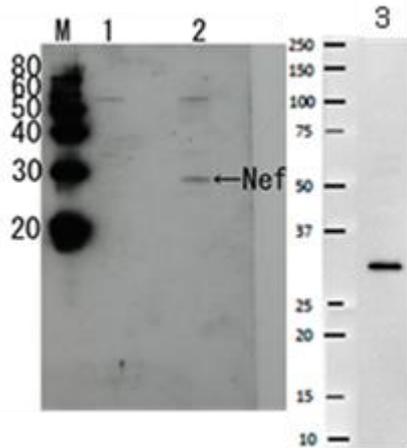


Fig.1 Detection of HIV-1 and HIV-2 Nef by Western blotting

Lane1: 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](#)