

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	Rabbit IgG
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	<p>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>negative factor</u> 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.</p>
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

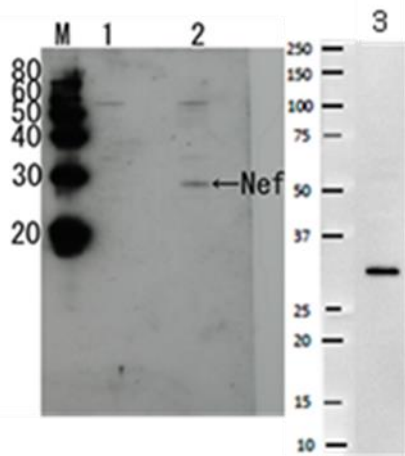


Fig.1 Detection of HIV-1 and HIV-2 Nef by Western blotting

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 Gag p17 antibody, rabbit polyclonal

References

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