Anti-HIV-1 Nef antibody, rabbit polyclonal

65-025　　100 μg

Shipping and Storage: Shipped at 4℃ or -20℃, and store at -20℃.

Immunogen: Purified full-size recombinant Nef of HIV-1 group M, subtype B expressed in E. coli

Form: 1.0 mg/ml IgG fraction of antiserum in PBS- with 50% glycerol

Reactivity: Nef protein of HIV-1 and HIV-2

Applications

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 negative factor 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 : ProtKB: P03406 (NEF_HV1BR)　　GenBank: AAA44988.1

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

Related Products: #65-015 Anti- HIV-1 Nef antibody, rabbit serum

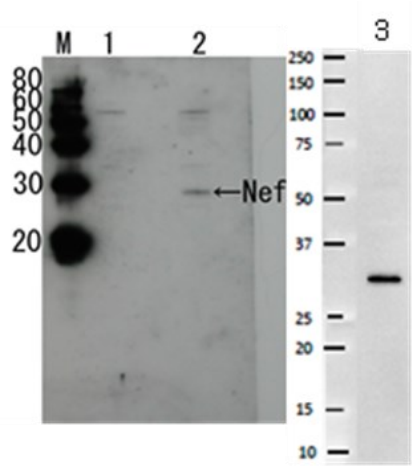

Fig.1 Detection of HIV-1 and HUV-2 Nef by Western blotting

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.

BioAcademia,Inc. Tel. 81-6-6877-2335 Fax. 81-6-6877-2336 info@bioacademia.co.jp https://www.bioacademia.co.jp/en/