Anti-HIV-1 Nef antibody, guinea pig polyclonal

Product code	65-507
Size	100 µg
Storage	-20℃
Concentration	1mg/ml
Buffer	PBS- with 50 % glycerol
Purity	Purified IgG fraction with protein A from guinea pig antiserum (65-017).
Immunogen	Purified full-size recombinant Nef of HIV-1 group M, subtype B expressed in *E. coli*
Isotype	Guinea pig IgG
Reactivity	HIV-1 (LAI strain)
Special notes	Purified from guinea pig antiserum (65-017).
Application	1. Western blot (1/1,000~1/3,000) 2. Dot blot (1/3000) 3. Immunoprecipitation (assay dependent) 4. ELISA (assay dependent)
Background	HIV-1 Nef (23.3 kDa) 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
Related Products	65-017 Anti-HIV-1 Nef antibody, guinea pig serum

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

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

Data Images: 65-507 Anti-HIV-1 Nef antibody, guinea pig polyclonal

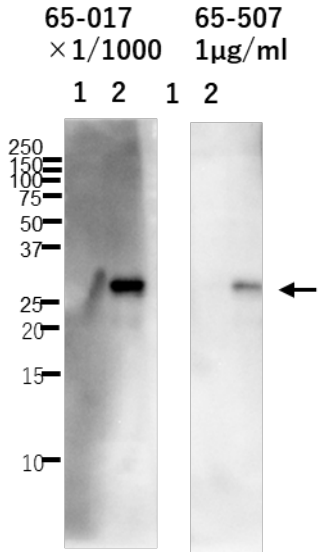


Fig.1 Detection of HIV-1 Nef by Western blotting.

Lane1: Extract of MT4 cells

Lane2: Extract of MT4 cells infected with HIV-1 (LAI strain)

The Primary antibody 65-017 x1/1000 dilutions

65-507 1μg/ml

Nef protein band is identified at 27 kDa position.

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

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