



MONOCLONAL ANTIBODY

For research use only, Not for diagnostic use.

Catalog No. EBV - 01

Anti Epstein-Barr Virus Nuclear Antigen Leader Protein (EBNA-LP)

BACKGROUND

EBNA-LP is one of the first gene products to be expressed together with EBNA-2 upon EBV infection of resting B cells. EBNA-LP plays a critical role in EBV-induced B cell transformation. The LP4D3 antibody can detect the full-length of EBNA-LP that are expressed in LCL and the truncated isoform of EBNA-LP that are expressed in P3HR1.

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|----------------------|--|
| Product type | Primary Antibodies |
| Immunogen | GST fused EBNA-LP |
| Raised in | Mouse |
| Myeloma | - |
| Clone number | LP4D3 |
| Isotype | IgG2b, κ |
| Source | Culture supernatant |
| Purification | Affinity purified Protein G |
| Buffer | Phosphate buffered saline containing 0.1% NaN ₃ as a preservative |
| Concentration | 1 mg / mL |
| Volume | 100 μ L (100 μ g) |
| Label | Unlabeled |
| Specificity | W2 domain of EBNA-LP |
| Storage | Store below -20 °C |

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|--------------------------|---|
| Application notes | Western blotting (1:1000) |
| Recommended | Immunofluorescence assay ¹⁾ , Immunoprecipitation assay ¹⁾ |
| dilutions | Other applications have not been tested or not reactive. Optimal dilutions/concentrations should be determined by the end user. |
| References | 1) Shaku F., <i>et al.</i> , (2005) Development of a monoclonal antibody against Epstein-Barr virus nuclear antigen leader protein (EBNA-LP) that can detect EBNA-LP expressed in P3HR1 cells. <i>Microbiol Immunol.</i> , 49 : 477-83. PMID: 15905610 |

Example Assay Data:

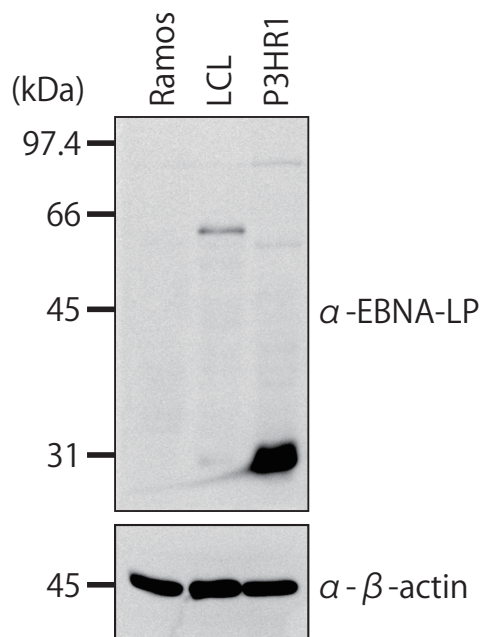


Fig.1
Western blot analysis of EBNA-LP in Ramos, LCL and P3HR1 cell lysate with anti- EBNA-LP antibody (LP4D3, 1μg/mL).

Western blot protocol

1. Load 5×10^4 cell lysate samples onto SDS-PAGE gel.
2. Electrotransfer to nitrocellulose membrane.
3. Block membrane in 5% Skim milk in 0.1% PBS-T for 30 min at room temperature.
4. Incubate membrane with 1 μg/mL LP4D3 primary antibody in 1% BSA in 0.1% PBS-T for 2 hour at room temperature.
5. Incubate membrane with HRP-conjugated anti-mouse IgG secondary antibody in 3% Skim milk in 0.1% PBS-T for 2 hour at room temperature.
6. Detect using an imager.

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