

V. References

- Abbot, S. D., Rowe, M., Cadwallader, K., Ricksten, A., Gordon, J., Wang, F., Rymo, L. & Rickinson, A. B. (1990). Epstein-Barr Virus Nuclear Antigen 2 Induces Expression of the Virus-Encoded Latent Membrane Protein. *Journal of Virology* 64, No. 5, 2126-2134.
- Ambinder RA, Weiss LM: Association of Epstein-Barr virus with Hodgkin's disease (1999). Mauch PM Armitage JO Diehl V Hoppe RT Weiss LM eds. *Hodgkin's Disease*. 1999, :pp 79-98 Lippincott Williams & Wilkins, Philadelphia
- Ribeiro-Silva,A., L.N.Z. Ramalho, S.B. Garcia and S. Zucoloto. Does the correlation between EBNA-1 and p63 expression in breast carcinomas provide a clue to tumorigenesis in Epstein-Barr virus-related breast malignancies? *Braz J Med Biol Res*, January 2004, Volume 37(1) 89-95 Departamento de Patologia, Faculdade de Medicina de Ribeirão Preto, Universidade de São Paulo, Ribeirão Preto, SP, Brasil.
- Brink AATP, van den Brule AJC, van Diest P, Meijer CJLM: Detection of Epstein-Barr virus in invasive breast cancers. *J Natl Cancer Inst* 2000, 92:655-656.
- Bonnet, Guinebretiere J.M., E Kremmer, V Grunewald, E Benhamou, G Contesso and I Joab(1999) Detection of Epstein-Barr virus in invasive breastcancers.*Journal of National Cancer Inst*, 91:1376-1381.
- Chang KL, Albuja PF, Chen YY, Johnson RM, Weiss LM (1993): High prevalence of Epstein-Barr virus in the Reed-Sternberg cells of Hodgkin's disease occurring in Peru. *Blood*, 81:496-501.
- Chu PG, Chang KL, Chen YY, Chen WG, Weiss LM.(2001) No significant association of Epstein-Barr virus infection with invasive breast carcinoma. *Am J Pathol* ;159:571-8.
- Cohen, J. I., Wang, F. & Kieff, E. (1991). Epstein-Barr Virus Nuclear Protein 2 Mutations Define Essential Domains for Transformation and Transactivation. *Journal of Virology* 65, No. 5, 2545-2554.
- Delcayre, A. X., Lotz, M. & Lernhardt, W. (1993). Inhibition of Epstein-Barr Virus-Mediated Capping of CD21/CR2 by Alpha Interferon (IFN- α): Immediate Antiviral Activity of IFN- α during the Early Phase of Infection. *Journal of Virology* 67, No. 5, 2918-2921.



- Deshpande CG, Badve S, Kidwai N, Longnecker R. Lack of expression of the Epstein-Barr Virus (EBV) gene products, EBERs, EBNA1, LMP1, and LMP2A, in breast cancer cells. *Lab Invest* 2002;82:1193-9.
- Evans AS. The spectrum of infections with Epstein-Barr virus: a hypothesis. *J Infect Dis* 1971;124:330-7.
- Fennewald, S., Van Santen, V. & E. Kieff. (1984). Nucleotide Sequence of an mRNA Transcribed in Latent Growth-Transforming Virus Infection Indicates That It May Encode a Membrane Protein. *Journal of Virology* 51, No. 2, 411-419.
- Glickman, J. N., Howe, J. G. & Steitz, J. A. (1988). Structural Analyses of EBER1 and EBER2 Ribonucleoprotein Particles Present in Epstein-Barr Virus-Infected Cells. *Journal of Virology* 62, No. 3, 902-911.
- Gulley ML. Molecular diagnosis of Epstein-Barr virus-related diseases. *J Mol Diagn* 2001;3:1-10.
- Grinstein S, Preciado MV, Gattuso P, Chabay PA, Warren WH, De Matteo E, Gould VE: Demonstration of Epstein-Barr virus in carcinomas of various sites. *Cancer Res* 2002, 62:4876-4878.
- Hearing J, Mulhaupt Y, Harper S. Interaction of Epstein-Barr virus nuclear antigen 1 with the viral latent origin of replication. 1: *J Virol*. 1992 Feb;66(2):694-705. *Virology*. 2000 Sep 15;275(1):145-57. York, Stony Brook 11794 2000.
- Herrmann K, Niedobitek G. Lack of evidence for an association of Epstein-Barr virus infection with breast carcinoma. *Breast Cancer Res* 2003;5:R13-7.
- Hung SC, Kang MS, Kieff E. Maintenance of Epstein-Barr virus (EBV) oriP-based episomes requires EBV-encoded nuclear antigen-1 chromosome-binding domains, which can be replaced by high-mobility group-I or histone H1. 1999.
- Huddad, R. & Hutt-Fletcher, L. M. (1989). Depletion of Glycoprotein gp85 from Virosomes Made with Epstein-Barr Virus Proteins Abolishes Their Ability To Fuse with Virus Receptor-Bearing Cells. *Journal of Virology* 63, No. 12, 4998-5005.
- Jabs, W. J., Wagner, H. J., Neustock, P., Kircher, H. (1996). Immunologic Properties of Epstein-Barr Virus-Seronegative Adults. *The Journal of Infectious Diseases* 173, 1248-1251.



- Jones, C. H., Hayward, D. & Rawlins, D. R. (1989). Interaction of the Lymphocyte-Derived Epstein-Barr Virus Nuclear Antigen EBNA-1 with Its DNA-Binding Sites. *Journal of Virology* 63, 101-110.
- K McPherson, CM Steel, J M Dixon. 2000;321:624-628 (9 September)
BMJ Breast cancer—epidemiology, risk factors, and genetics
Clinical review.
- Keiff, E. & Leibowitz, D. (1990). Epstein-Barr Virus and Its Replication. In *Virology*, 2nd., eds, B. N. Fields & D. M. Knipe, 1889-1920. Raven Press, New York.
- Kirchmaier, A. L., & Sugden, B. (1995). Plasmid Maintenance of Derivatives of oriP of Epstein-Barr Virus. *Journal of Virology* 69, No. 2, 1280-1283.
- Knox, P.G. and Young, L.S. (1995) Epstein-Barr virus infection of CR2-transfected epithelial cells reveals the presence of MHC class II on the virion. *Virology* 213, 147-157, [PubMed](#).
- Labrecque LG, Barnes DM, Fentiman IS, Griffin BE: Epstein-Barr virus in epithelial cell tumors: a breast cancer study. *Cancer Res* 1995, 55:39-45.
- Lugmani YA, Shousha A: Presence of Epstein-Barr virus in breast carcinoma. *Int J Oncol* 1995, 6:899-903.
- Lear, A. L., Rowe, M., Kurilla, M. G., Lee, S., Henderson, S., Kieff, E. & Rickinson, A. B. (1992). The Epstein-Barr Virus (EBV) Nuclear Antigen 1 BamHI F Promoter Is Activated on Entry of EBV-Transformed B Cells into the Lytic Cycle. *Journal of Virology* 66, No. 12, 7461-7468.
- Leibowitz, D., Wang, D. & Kieff, E. (1986). Orientation and Patching of the Latent Infection Membrane Protein Encoded by Epstein-Barr Virus. *Journal of Virology* 58, No. 1, 233-237.
- Li, Q., Turk, S. M. & Hutt-Fletcher, L. M. (1995). The Epstein-Barr Virus (EBV) BZLF2 Gene Product Associates with the gH and gL Homologs of EBV and Carries an Epitope Critical to Infection of B cells but Not of Epithelial Cells. *Journal of Virology* 69, No. 7, 3987-3944.
- Lieberman, P. M. & Berk, A. J. (1990). In Vitro Activation, Dimerization, and DNA-Binding Specificity of the Epstein-Barr Virus Zta Protein. *Journal of Virology* 64, No. 6, 2560-2568.



- Lear, A. L., Rowe, M., Kurilla, M. G., Lee, S., Henderson, S., Kieff, E. & Rickinson, A. B. (1992). The Epstein-Barr Virus (EBV) Nuclear Antigen 1 BamHI F Promoter Is Activated on Entry of EBV-Transformed B Cells into the Lytic Cycle. *Journal of Virology* 66, No. 12, 7461-7468.
- Leibowitz, D., Wang, D. & Kieff, E. (1986). Orientation and Patching of the Latent Infection Membrane Protein Encoded by Epstein-Barr Virus. *Journal of Virology* 58, No. 1, 233-237.
- Li, Q., Turk, S. M. & Hutt-Fletcher, L. M. (1995). The Epstein-Barr Virus (EBV) BZLF2 Gene Product Associates with the gH and gL Homologs of EBV and Carries an Epitope Critical to Infection of B cells but Not of Epithelial Cells. *Journal of Virology* 69, No. 7, 3987-3944.
- Lieberman, P. M. & Berk, A. J. (1990). In Vitro Activation, Dimerization, and DNA-Binding Specificity of the Epstein-Barr Virus Zta Protein. *Journal of Virology* 64, No. 6, 2560-2568.
- Longnecker, R., Drunker, B., Roberts, T. M. & Keiff, E. (1991). An Epstein-Barr Virus Protein Associated with Cell Growth Transformation Interacts with a Tyrosine Kinase. *Journal of Virology* 65, No. 7, 3681-3692.
- May-Ann Lee, Margaret E. Diamond, and John L. Yates (1999). Genetic Evidence that EBNA-1 Is Needed for Efficient, Stable Latent Infection by Epstein-Barr Virus. *Journal of Virology*, April 1999, p. 2974-2982, Vol. 73, No. 4.
- Mueller NE. Epstein-Barr virus and Hodgkin's disease: an epidemiological paradox. *Epstein-Barr Virus Rep* 1997;4:1-2.
- Mannick, J. B., Cohen, J. I., Birkenbach, M., Marchini, A. & Kieff, E. (1991). The Epstein-Barr Virus Nuclear Protein Encoded by the Leader of the EBNA RNAs Is Important in B-Lymphocyte Transformation. *Journal of Virology* 65, No. 12, 6826-6837.
- Miller, M. (1990). Epstein-Barr Virus Biology, Pathogenesis, and Medical Aspects. In *Virology*, 2nd., eds. B. N. Fields & D. M. Knipe, 1921-1958. Raven Press, New York.
- Miller, N. & Hutt-Fletcher, L. M. (1988). A Monoclonal Antibody to Glycoprotein gp85 Inhibits Fusion but Not Attachment of Epstein-Barr Virus. *Journal of Virology* 62, No. 7, 2366-2372.
- Minarovits, J., Hu, L. -F., Imai, S., Harabuchi, Y., Kataura, A., Minarovits-Kormuta, S., Osato, T. & Klein, G. (1994). Clonality, expression and methylation patterns of the Epstein-Barr virus genomes in lethal midline granulomas classified as

peripheral angiocentric T cell lymphomas. *Journal of General Virology* 75, 77-84.

- Moore, M. D., Cannon, M. J., Sewall, A. Finlayson, M., Okimoto, M. & Nemerow, G. R. (1991). Inhibition of Epstein-Barr Virus In Vitro and In Vivo by Soluble CR2 (CD21) Containing Two Short Consensus Repeats. *Journal of Virology* 65, No. 7, 3559-3565.
- Niederman J, Evans A. Epstein-Barr virus. In: Evans AS, Kaslow RA, editors. *Viral infections of humans: epidemiology and control*. New York, NY: Plenum Medical Book Company; 1997. p. 253-83.
- Nonoyama, M., Huang, C. H., Pagano, J. S., Klein, G. & Singh, S. (1973). DNA of Epstein-Barr Virus Detected in Tissue of Burkitt's Lymphoma and Nasopharyngeal Carcinoma. *Proceedings from the National Academy of Science* 70, No. 11, 3265-3268.
- Rickinson AB, Kieff E. Epstein-Barr virus. In: Knipe DM, Howley PM, Griffin DE, et al., editors. *Fields virology*. Philadelphia, PA: Lippincott Williams & Wilkins; 2001. p. 2575-627.
- Rowe, M., Lear, A. L., Croom-Carter, D., Davies, A. H. & Rickinson, A. B. (1992). Three Pathways of Epstein-Barr Virus Gene Activation from EBNA1-Positive Latency in B Lymphocytes. *Journal of Virology* 66, No. 1, 122-131.
- Rowe, M., Rowe, D. T., Gregory, C. D., Young, L. S., Farrell, P. J., Rupani, H. & Rickinson, A. B. (1987). Differences in B cell growth phenotype reflect novel patterns of Epstein-Barr virus latent gene expression in Burkitt's lymphoma cells. *The EMBO Journal* 6, No. 9, 2743-2751.
- Sally L. Glaser, Joe L. Hsu and Margaret L. Gulley Epstein-Barr Virus and Breast Cancer: State of the Evidence for Viral Carcinogenesis *Cancer Epidemiology Biomarkers & Prevention* Vol.13,688-697,May 2004 © 2004 .
- Sandvej K, Zhou XG, Hamilton-Dutoit S. EBNA-1 sequence variation in Danish and Chinese EBV-associated tumours: Sample, J., Henson, D. & Sample, C. (1992). The Epstein-Barr Virus Nuclear Protein 1 Promoter Active in Type I Latency Is Autoregulated. *Journal of Virology* 66, No. 8, 4654-4661.
- Schaefer, B. C., Strominger, J. L. & Speck, S. H. (1995). The Epstein-Barr Virus BamHI F Promoter Is an Early Lytic Promoter: Lack of Correlation with EBNA1 Gene Transcription in Group 1 Burkitt's Lymphoma Cell Lines. *Journal of Virology* 69, No. 8, 5039-5047.



- Sinclair, A. J. & Farrell, P. J. (1995). Host Cell Requirements for Efficient Infection of Quiescent Primary B Lymphocytes by Epstein-Barr Virus. *Journal of Virology* 69, No. 9, 5461-5468.
- Snudden, D. K., Hearing, J., Smith, P. R., Grasser, F. A. & Griffen, B. E. (1994). EBNA-1, the major nuclear antigen of Epstein-Barr virus, resembles 'RGG' RNA binding protein. *The EMBO Journal* 13, No. 20, 4840-4874.
- Sawyer RN, Evans AS, Niederman JC, McCollum RW. Prospective studies of a group of Yale University freshmen. I. Occurrence of infectious mononucleosis. *J Infect Dis* 1971;123:263-70.
- Tedder, T. F., Goldmacher, V. S., Lambert, J. M. & Schlossman, S. F. (1986). Epstein Barr Virus Internalization of the C3d Receptor: A Novel Immunotoxin Delivery System. *Journal of Immunology* 137, No. 4, 1387-1391.
- Wolf H, Bogedain C, Schwarzmam F. Epstein-Barr virus and its interaction with the host. *Intervirolgy* 1993;35:26-9.
- Wang, F., Gregory, C., Sample, C., Rowe, M., Leibowitz, D., Marray, R., Rickinson, A. & Kieff, E. (1990a). Epstein-Barr Virus Latent Membrane Protein (LMP1) and Nuclear Proteins 2 and 3C Are Effectors of Phenotypic Changes in B Lymphocytes: EBNA-2 and LMP1 Cooperatively Induce CD23. *Journal of Virology* 64, No. 5, 2309-2318.
- Wang, F., Kikutani, H., Tsang, S., Kishimoto, T. & Kieff, E. (1991). Epstein-Barr Virus Nuclear Protein 2 Transactivates a cis-Acting CD23 DNA Element. *Journal of Virology* 65, No. 8, 4101-4106.
- Wang, F., Petti, L., Braun, D., Seung, S. & Kieff, E. (1987). A Biscistronic Epstein-Barr Virus mRNA Encodes Two Nuclear Proteins in Latently Infected, Growth-Transformed Lymphocytes. *Journal of Virology* 61, No. 4, 945-954.
- Wang, F., Tsang, S., Kurilla, M. G., Cohen, J. I. & Keiff, E. (1990b). Epstein-Barr Nuclear Antigen 2 Transactivates Latent Membrane Protein LMP1. *Journal of Virology* 64, No. 7, 3407-2416.
- Yates, J., Warren, N., Reisman, D. & Sugden, B. (1984). A cis-acting element from the Epstein-Barr viral genome that permits stable replication of recombinant plasmids in latently infected cells. *Proceeding from the National Academy of Science* 81, 3806-3810.



UNIVERSITAS
GADJAH MADA

48

Identification Of Epstein-Barr Virus Nuclear Antigen 1 (EBNA 1) In Breast Cancer Tissue At Sardjito General Hospital

Sharon Kaur Jinnil , Prof. dr. Sofia Mubarika M., M.Med.Sc., Ph.D. ; Dr. Med. Dr. Indwiani Astuti
Universitas Gadjah Mada, 2005 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Yutaka Yasui, John D. Potter, Janet L. Stanford, Mary Anne Rossing, Marcy D. Winget, Mary Bronner and Janet Daling. Breast Cancer Risk and "Delayed" Primary Epstein-Barr Virus Infection Cancer Epidemiology Biomarkers & Prevention Vol. 10,9-16,January2001.

