

Monoclonal Antibody to EBNA2 (C-term) - Purified

Alternate names:	Epstein-Barr nuclear antigen 2
Catalog No.:	AM50468PU-N
Quantity:	0.1 mg
Concentration:	lot-specific
Background:	<p>The Epstein-Barr virus or EBV is associated with several human cancers and actively immortalizes B lymphocytes. EBV leads to expression by a small group of viral proteins, including Epstein-Barr nuclear antigen 2 (EBNA2) which is required for immortalization. EBNA2 is a transcriptional activator belonging to the herpesviridae EBNA2 family, and performs a crucial role in activating the host resting B-cell and inducing B-cell proliferation. EBNA2 possesses an acidic activating domain with which it is able to recruit various cellular and viral proteins involved in B-cell immortalization. Implicated in cellular phenotypic modifications, EBNA2 is known to upregulate the expression of cell surface receptors, such as CD21, MYC, and CD23, as well as upregulating viral genes such as LMP1, LMP2A, LMP2B, and EBNA1-6.</p>
Uniprot ID:	Q69022
NCBI:	YP_001129441.1
GeneID:	5176198
Host / Isotype:	Rat / IgG2a
Recommended Isotype Controls:	SM15P, SM15PX
Clone:	R3
Immunogen:	GST-tagged recombinant protein corresponding to human EBNA2.
Format:	State: Liquid purified Ig fraction Purification: Protein G Chromatography Buffer System: 0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl with 0.05% sodium azide.
Applications:	Immunohistochemistry: A representative lot was used by an independent laboratory in IH. (Kremmer, E., et al. (1995). <i>Virology</i> . 208(1):336-342.) Western Blot: 0.5 µg/mL of this antibody detected EBNA2 on 10 µg of B95-8 cell lysate. Immunoprecipitation: A representative lot was used by an independent laboratory in IP. (Gross, H., et al. (2010). <i>Virology</i> . 397(2):299-310.) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Demonstrated to react with human cell infected with EBV.
Storage:	Store undiluted at 2-8°C. Shelf life: one year from despatch.

Pictures:

Western Blotting Analysis:
Representative lot data.
B95-8 cell lysate was probed with Anti-EBNA2, clone R3 (0.5 µg/mL).
Proteins were visualized using a Goat Anti-Rat IgG secondary antibody conjugated to HRP and chemiluminescence detection system.
Arrow indicates EBNA2 (~75 kDa).

