立即早期癌基因 BRLF1 鼻咽癌基因抗体

产品货号： mlR4542

英文名称： BRLF1

中文名称： 立即早期癌基因 BRLF1/鼻咽癌基因抗体

别　　名： Replication and transcription activator; Rta; Immediate-early protein Rta; HHV4tp2_gp33; BRLF1 [Human herpesvirus 4 type 2].

研究领域： 肿瘤　细胞生物　细菌及病毒

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, HHV4tp2

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

mlbio 酶联生物
Good elisakit producers

分 子 量： 66.5kDa

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human herpesvirus 4 type 2 BRLF1:81-180/605

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

PubMed： PubMed

产品介绍： Expression of the Epstein-Barr virus (EBV) immediate-early (IE) protein BRLF1 induces the lytic form of viral replication in most EBV-positive cell lines. BRLF1 is a transcriptional activator that binds directly to a GC-rich motif present in some EBV lytic gene promoters. However, BRLF1 activates transcription of the other IE protein, BZLF1, through an indirect mechanism which we previously showed to require activation of the stress mitogen-activated protein kinases. Here we demonstrate that BRLF1 activates phosphatidylinositol-3 (PI3) kinase

signaling in host cells. We show that the specific PI3 kinase inhibitor, LY294002, completely abrogates the ability of a BRLF1 adenovirus vector to induce the lytic form of EBV infection, while not affecting lytic infection induced by a BZLF1 adenovirus vector. Furthermore, we demonstrate that the requirement for PI3 kinase activation in BRLF1-induced transcriptional activation is promoter dependent. BRLF1 activation of the SM early promoter (which occurs through a direct binding mechanism) does not require PI3 kinase activation, whereas activation of the IE BZLF1 and early BMRF1 promoters requires PI3 kinase activation. Thus, there are clearly two separate mechanisms by which BRLF1 induces transcriptional activation.

SWISS:

Q3KSS7

Gene ID:

3783727

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

BRLF1 是 EBV 的立即早期基因。作为一种反式激活因子，它可以调节 EBV 早期 / 晚期基因的表达．并且还可能参与裂解期病毒基因组的复制。它的表达与 EBV 潜伏周期向裂解周期的转换密切相关。BRLF1 的蛋因白产物 Rta 包含 CTL 识别的表位，可能在病毒裂解周期的早期成为免疫系统的作用位点。对它研究还可能为某些 EBV 相关肿瘤的筛查和治疗提供线索。