

Datasheet for ABIN349601  
**anti-ybeY antibody (C-Term)**



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1 Image

## Overview

Quantity:	100 µg
Target:	ybeY
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

## Product Details

Purpose:	KSHV ORF57 Antibody
Immunogen:	<p>Immunogen: This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the C-terminal of human KSHV ORF57 protein.</p> <p>Immunogen Type: Conjugated Peptide</p>
Isotype:	IgG
Cross-Reactivity (Details):	This affinity purified antibody is directed against human herpesvirus 8 (KSHV ORF57) protein.
Characteristics:	Synonyms: rabbit anti-KSHV ORF57 antibody, MTA, human herpesvirus 8 protein
Purification:	The product was affinity purified from monospecific antiserum by immunoaffinity chromatography.
Sterility:	Sterile filtered

## Target Details

Target:	ybeY
Alternative Name:	ORF57 ( <a href="#">ybeY Products</a> )
Background:	<p>Background: This antibody is designed, produced, and validated as part of a collaboration with the National Cancer Institute (NCI) and is suitable for Cancer, Immunology and Nuclear Signaling research. ORF57 (also known as MTA), one of the earliest Kaposi's sarcoma-associated herpesvirus (KSHV) regulatory proteins to be expressed, is essential for virus lytic replication. A counterpart is present in every herpesvirus sequenced, indicating the importance of this signature viral protein, and those examined act post-transcriptionally, affecting RNA splicing and transport. KSHV ORF57 is capable of establishing both lytic and latent replication cycles. In KS, the virus localizes to tumor progenitor endothelial cells, most of which are latently infected. In cell culture, KSHV replication is generally studied using B-cell lines, such as BCBL-1, generated from primary effusion lymphoma material. Most BCBL-1 cells are latently infected, although there is some spontaneous virus reactivation. Addition of chemical inducers such as sodium n-butyrate, 12-O-tetradecanoylphorbol-13-acetate (TPA), and valproic acid (VA) to these cells efficiently induces the lytic cycle and produces virions. KSHV ORF57 protein predominantly localizes to the nucleus and can shuttle between the nucleus and cytoplasm. Most HSV-1 genes are unspliced, by contrast, ORF57 is spliced gene, the protein is 455 amino acids in length and 50 kDa in size.</p>
Gene ID:	4961525
NCBI Accession:	<a href="#">YP_001129410</a>
UniProt:	<a href="#">Q2HR75</a>

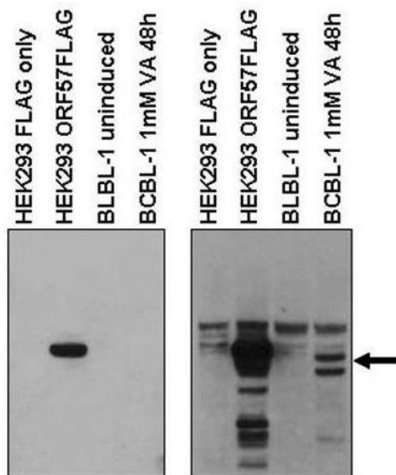
## Application Details

Application Notes:	<p>Immunohistochemistry Dilution: User Optimized</p> <p>Application Note: This affinity purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band 50-55 kDa in size corresponding to KSHV ORF57 protein by western blotting in the appropriate cell lysate or extract.</p> <p>Western Blot Dilution: 1:5,000 - 1:8,000</p> <p>ELISA Dilution: 1:100,000 - 170,000</p> <p>Other: User Optimized</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.55 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Western Blotting

**Image 1.** Western blot using affinity purified anti-KSHV ORF57 to detect KSHV ORF57 in HEK293 cells transfected with ORF57 expression vector and ORF57 truncations, or in KSHV infected B-cell line (BCBL-1) treated with or without valproic acid to induce viral replication (arrow). The membrane was probed with the primary antibody diluted 1:7,500 (left) and 1:1,000 (right). Personal Communication, V. Majerciak, M.Zheng, CCR-NCI, Bethesda, MD.