

**KSHV ORF8 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO1038a****Specification**

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**KSHV ORF8 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">F5HB81</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal

**Description**

Kaposi's sarcoma-associated herpesvirus (KSHV) belongs to the gamma-(2)-herpesvirus subfamily and has been closely linked to the Kaposi's sarcoma, primary effusion lymphoma (PEL) and multicentric Castleman's disease. The genome of KSHV is 165-170 kb and contains at least 88 open reading frames. KSHV ORF8 is a virion envelope-associated protein. Akula et al (2003) report it acts as a Glycoprotein B mediated signaling during virus entry. This Glycoprotein possesses the Arg-Gly-Asp (RGD) motif and utilizes alpha3beta1 integrin as one of the receptors for its entry into the target cells.

**Immunogen**

Synthetic peptide, corresponding to amino acids sequence of KSHV ORF8. <br />

**Formulation**

Rabbit anti-serum.

**KSHV ORF8 Antibody - Additional Information**

**Gene ID** 4961501

**Other Names**

Envelope glycoprotein B, gB, ORF8

**Dilution**

WB~~1/500 - 1/2000

E~~N/A

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

KSHV ORF8 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**KSHV ORF8 Antibody - Protein Information**

**Name** gB {ECO:0000255|HAMAP-Rule:MF\_04032}

**Synonyms** ORF8

### Function

Envelope glycoprotein that forms spikes at the surface of the virion envelope. Participates in viral entry through an RGD motif that binds ITGAV-ITGB3. Membrane fusion is mediated by the fusion machinery composed at least of gB and the heterodimer gH/gL. May be involved in the fusion between the virion envelope and the outer nuclear membrane during virion egress.

### Cellular Location

Virion membrane {ECO:0000255|HAMAP- Rule:MF\_04032}; Single-pass type I membrane protein {ECO:0000255|HAMAP- Rule:MF\_04032}. Host cell membrane {ECO:0000255|HAMAP-Rule:MF\_04032}; Single-pass type I membrane protein {ECO:0000255|HAMAP-Rule:MF\_04032}; Host endosome membrane {ECO:0000255|HAMAP-Rule:MF\_04032}; Single-pass type I membrane protein {ECO:0000255|HAMAP-Rule:MF\_04032}. Host Golgi apparatus membrane {ECO:0000255|HAMAP-Rule:MF\_04032}; Single-pass type I membrane protein {ECO:0000255|HAMAP-Rule:MF\_04032}. Note=During virion morphogenesis, this protein probably accumulates in the endosomes and trans-Golgi where secondary envelopment occurs. It is probably transported to the cell surface from where it is endocytosed and directed to the trans-Golgi network (TGN). {ECO:0000255|HAMAP- Rule:MF\_04032}

## KSHV ORF8 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## KSHV ORF8 Antibody - Images

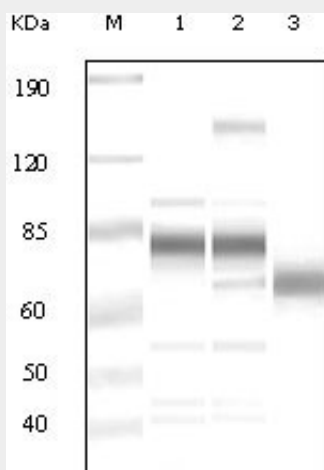


Figure 1: Western blot analysis using anti-KSHV ORF8 polyclonal antibody against uninduced

BCBL1 cell lysate (1), TPA induced BCBL1 cell lysate(2) and purified virion (3).

#### **KSHV ORF8 Antibody - References**

1. James J. Proc. Natl. Acad. Sci Vol. 1993, pp. 14862-14867. 2. Wang FZ. J Virol. 2003 Mar; 77(5):3131-47.