

Human ORF73/HHV8 antibody

Catalog Number: ATGA0145

PRODUCT INFORMATION

Catalog number

ATGA0145

Clone No.

AT4C11

Product type

Monoclonal Antibody

UnitProt No.

O40947

NCBI Accession No.

AAB62657

Alternative Names

Human herpesvirus 8 ORF73, Kaposi's sarcoma-associated herpesvirus

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human ORF73/HHV8 (122-329aa) purified from E. coli

Isotype

IgG2a kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA, WB, IHC

Usage

The antibody has been tested by ELISA, Western blot and IHC analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage

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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

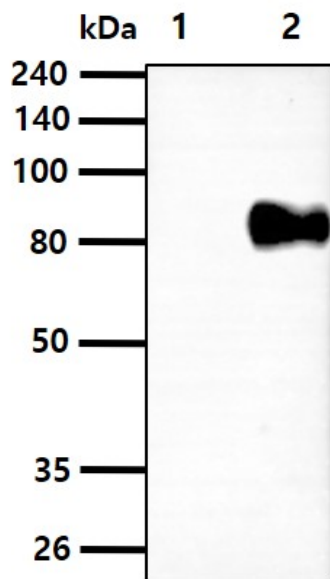
ORF73 protein of human herpesvirus 8 (HHV-8) is a kaposi's sarcoma-associated herpesvirus (kSHV) latent protein which has been suspected of playing a crucial role in modulating viral and cellular gene expression. ORF73 is associated with cellular chromatin and stays on the chromosomes during cell division. It maintains the viral genomes during cell division by tethering the viral episomes to the chromosomes. It binds directly to replication origin recognition complexes (ORCs) that are primarily associated with the terminal repeat (TR) region of the HHV-8 genome.

General References

Kedes D.H., et al. (1997) *Journal of Clinical Investigation*. 100: 2610-2606.
Verma S.C., et al (2006) *Journal of Virology* 80: 3445-3458.

DATA

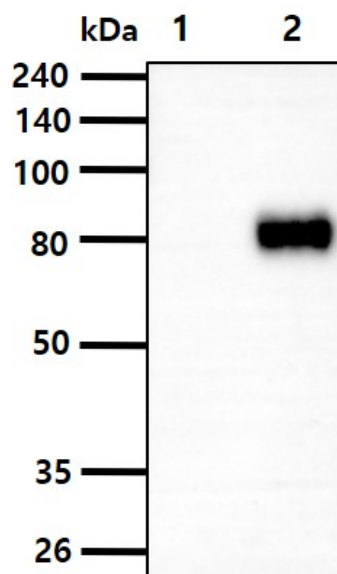
Western blot analysis (WB)



The cell lysates were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ORF73/HHV8 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: 293T cell lysate (40ug)
Lane 2.: ORF73/HHV8-MBP tag Transfected 293T cell lysate (5ug)

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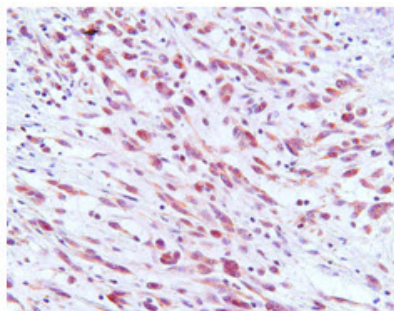


The cell lysates were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human MBP antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: 293T cell lysate (40ug)

Lane 2.: ORF73/HHV8-MBP tag Transfected 293T cell lysate (5ug)

Immunohistochemistry (IHC)



Kaposi's sarcoma tissue

Paraffin embedded sections of Kaposi's sarcoma tissue were incubated with anti-ORF73/HHV8 (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)