10320 Camino Santa Fe, Suite G
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KSHV ORF62 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1017a

Specification

KSHV ORF62 Antibody - Product Information

Application	**WB, IHC, E**
Primary Accession	F5H8Y5
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgM**

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. At least five major proteins are likely to be involved in the assembly of the HHV-8 capsid, including a protease (encoded by ORF17), the major capsid protein (encoded by ORF25), and three other smaller capsid proteins (encoded by ORF62, ORF26, and ORF65). Previous structural studies have shown that the HSV-1 triplex is a monomer of VP19c and a dimer of VP23 and that the HCMV triplex is similarly composed of a monomer and a dimer. By analogy, the KSHV triplexes are likely also composed of a monomer of the ORF62 protein and a dimer of the ORF26 protein, which are the respective homologs of VP19c and VP23.

Immunogen
Purified recombinant fragment of human KSHV ORF62 expressed in E. Coli.

Formulation
Ascitic fluid containing 0.03% sodium azide.

KSHV ORF62 Antibody - Additional Information

Gene ID 4961461

Other Names
Triplex capsid protein VP19C homolog, ORF62

Dilution
WB~~1/500 - 1/2000
IHC~~1/200 - 1/1000
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 ORF62 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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KSHV ORF62 Antibody - Protein Information

Name TRX1 {ECO:0000255|HAMAP-Rule:MF_04018}

Function
Structural component of the T=16 icosahedral capsid. The capsid is composed of pentamers and hexamers of major capsid protein/MCP, which are linked together by heterotrimers called triplexes. These triplexes are formed by a single molecule of triplex protein 1/TRX1 and two copies of triplex protein 2/TRX2. Additionally, TRX1 is required for efficient transport of TRX2 to the nucleus, which is the site of capsid assembly.

Cellular Location
Virion {ECO:0000255|HAMAP-Rule:MF_04018}. Host nucleus {ECO:0000255|HAMAP-Rule:MF_04018}

KSHV ORF62 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 Cytomety
- Cell Culture

KSHV ORF62 Antibody - Images

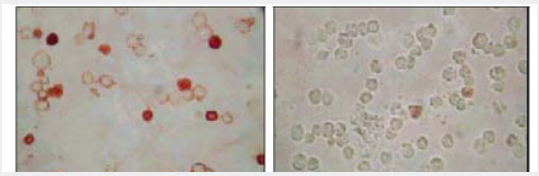

Figure 1: Immunocytochemistry analysis of TPA induced BCBL-1 cells (A) and uninduced BCBL-1 cells (B) using KSHV ORF62 mouse mAb with AEC staining.

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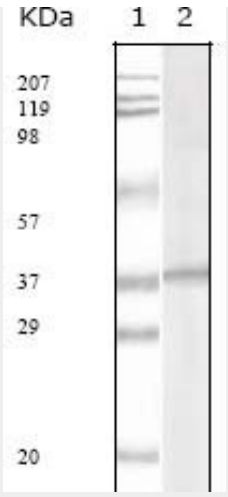

Figure 2: Western blot analysis using KSHV ORF62 mouse mAb against KSHV ORF62 recombinant protein.

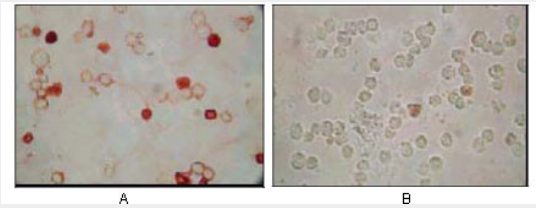

Figure 1: Immunocytochemistry analysis of TPA induced BCBL-1 cells(A) and uninduced BCBL-1 cells(B) using anti-KSHV ORF62 monoclonal antibody with AEC staining.

KSHV ORF62 Antibody - References

1. Chang Y. et al. 1994. Science. 266:1865-1869. 2. Russo J.J. et al. 1996. PNAS. 93: 14862-14867. 3. Wu L. et al. 2000. J VirolOct; 74(20):9646-54.