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KSHV ORF26 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1034a

Specification

KSHV ORF26 Antibody - Product Information

Application	**WB, E**
Primary Accession	F5HGN8
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**

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 ORF26 open reading frames are juxtaposed and span from nucleotide (nt) 46933 to 47850 of the virus genome. Akula et al (2003) report it acts as a Capsid protein.

Immunogen
Purified recombinant fragment of KSHV ORF26 expressed in E. Coli.

Formulation
Ascitic fluid containing 0.03% sodium azide.

KSHV ORF26 Antibody - Additional Information

Gene ID 4961509

Other Names
Triplex capsid protein VP23 homolog, ORF26

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 ORF26 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

KSHV ORF26 Antibody - Protein Information

Name TRX2 {ECO:0000255|HAMAP-Rule:MF_04019}

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_04019}. Host nucleus {ECO:0000255|HAMAP-Rule:MF_04019}

KSHV ORF26 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 ORF26 Antibody - Images

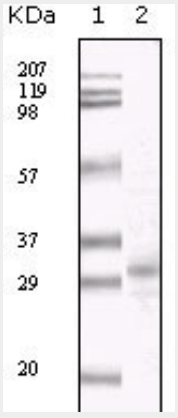

Figure 1: Western blot analysis using KSHV ORF26 mouse mAb against TPA induced BCBL-1 cell lysate.

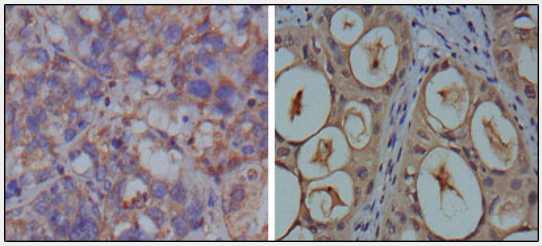

Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma (left) and kidney carcinoma (right), showing cytoplasmic localization using GAPDH mouse mAb with DAB staining.

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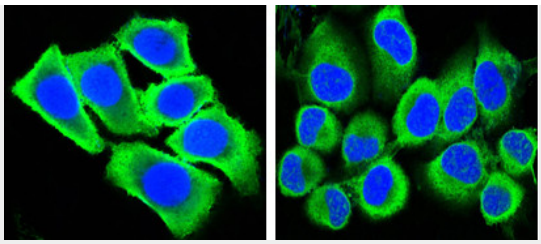

Figure 3: Confocal immunofluorescence analysis of methanol-fixed HepG2 (left) and Hela (right) cells using anti-GAPDH mAb (green), showing cytoplasmic localization. Blue: DRAQ5 fluorescent DNA dye.

KSHV ORF26 Antibody - References

1. James J . Proc. Natl. Acad. Sci Vol. 1996. 93, pp. 14862-14867.