

Product datasheet for **AM06086SU-N**

ORF45 ORF45 Mouse Monoclonal Antibody [Clone ID: 2D4A5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2D4A5
Applications:	IF, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. Immunohistochemistry: 1/200 - 1/1000.
Reactivity:	Kaposi-Sarkom-Herpesvirus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of KSHV ORF45 expressed in E. Coli.
Specificity:	This antibody recognizes KSHV ORF45
Formulation:	State: Ascites State: Ascitic fluid Preservative: 0.03% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	Q2HR88



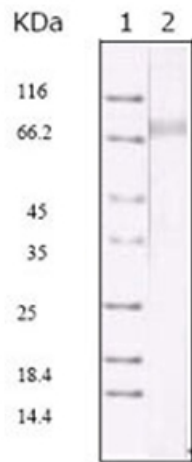
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Background:

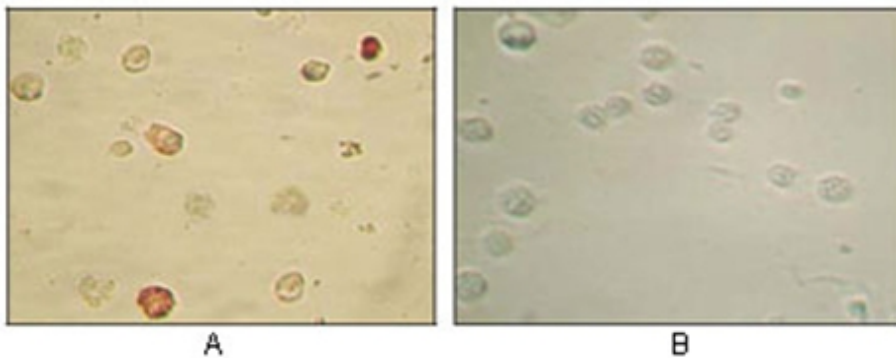
Kaposi's sarcoma-associated herpesvirus (KSHV) belongs to the gamma-(2)-herpesvirus subfamily and has been closely linked to the Kaposi's sarcoma, primary effusion lymphoma (PEL) and multicentric Castleman's disease. The genome of KSHV is 165-170 kb and contains at least 88 open reading frames. ORF45 protein encoded by an immediate-early gene in the KSHV genome is characterized as a phosphorylated protein, and it is localized in the cytoplasm of infected cells. Studies have shown that ORF45 Protein interacted with cellular IRF-7 and blocked virus-mediated phosphorylation and nuclear translocation of IRF-7. In consequence, ORF45 efficiently inhibited virus-induced production of type I IFN. Zhu et al (2003) reported that the ORF45 Protein was associated with purified virions

Synonyms:

KSHV, Human gammaherpesvirus 8, HHV-8

Product images:

Western blot analysis using KSHV ORF45 antibody AM06086SU-N against KSHV ORF45 recombinant protein.



Immunocytochemistry analysis of TPA induced BCBL-1 cells (A) and uninduced BCBL-1 cells (B) using KSHV ORF45 antibody AM06086SU-N with AEC staining.