

Product Datasheet

ORF73/HHV8 Antibody (4C11) - BSA Free NBP1-30176

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-30176

ORF73/HHV8 Antibody (4C11) - BSA Free

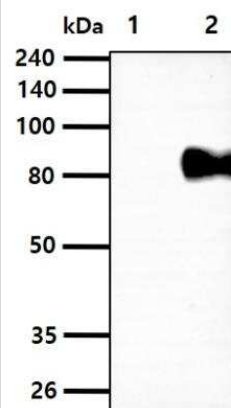
Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4C11
Preservative	0.02% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein G purified
Buffer	PBS (pH 7.4), 10% Glycerol

Product Description	
Description	Novus Biologicals Mouse ORF73/HHV8 Antibody (4C11) - BSA Free (NBP1-30176) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-ORF73/HHV8 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4961527
Gene Symbol	HHV8GK18_gp81
Species	Virus
Reactivity Notes	Human herpesvirus 8 (HHV-8) (Kaposi's sarcoma-associated herpesvirus)
Immunogen	Recombinant human ORF73/HHV8 (122-329aa) purified from E. coli (AAB62657).

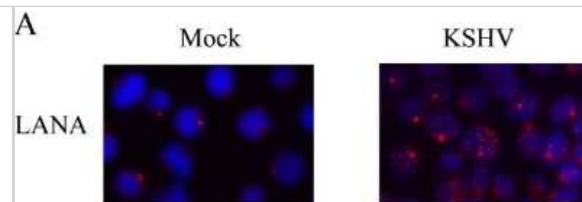
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000-1:2000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:50
Application Notes	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 24422998)

Images

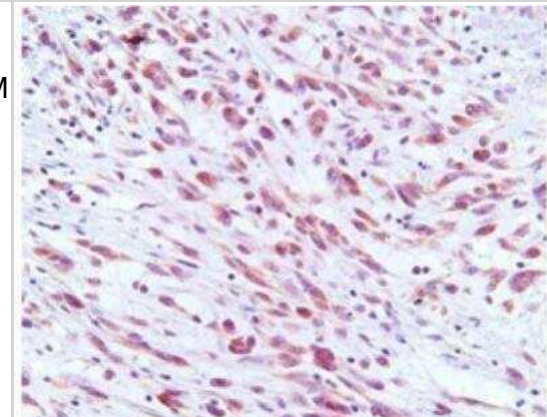
Western Blot: ORF73/HHV8 Antibody (4C11) [NBP1-30176] - The cell lysates were resolved by SDS-PAGE, transferred to PVDF membrane and probed with NBP1-30176. Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate (40ug). Lane 2.: ORF73/HHV8-MBP tag Transfected 293T cell lysate (5ug)



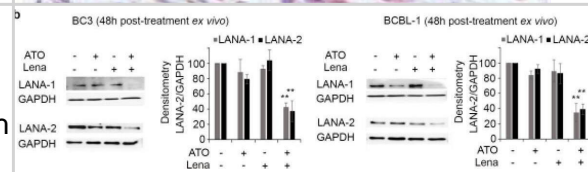
Immunocytochemistry/Immunofluorescence: ORF73/HHV8 Antibody (4C11) [NBP1-30176] - Hyperphosphorylation of Akt induced by KSHV (ORF73/HHV8) in THP-1 infected cells is resistant to Bortezomib treatment. Immunofluorescence of mock and KSHV-infected THP-1 cells with anti-LANA antibodies. Typical LANA staining (intranuclear red punctuation) is visible in cells latently infected by KSHV. The counterstaining of THP-1 DNA with DAPI (blue) is shown. Image collected and cropped by CiteAb from the following publication (<https://jeccr.biomedcentral.com/articles/10.1186/1756-9966-32-79>) licensed under a CC-BY license.



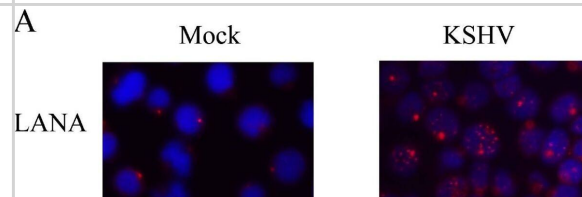
Immunohistochemistry-Paraffin: ORF73/HHV8 Antibody (4C11) [NBP1-30176] - IHC analysis of Kaposi's sarcoma tissue using antibody (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).



ATO/Lena inhibited proliferation and downregulated Kaposi sarcoma herpes virus (KSHV) latent transcripts and proteins in ex vivo treated ascites-derived BC-3 and BCBL-1 cells. (a) Cell proliferation of ascites-derived BC-3 (left) or BCBL-1 cells (right) following ex vivo treatment with ATO and/or Lena for 24, 48, 72, and 96 h. Results are presented as percent of control, plotted as mean \pm SD, and represent an average of three independent experiments. (b) Immunoblot analysis of KSHV latent proteins LANA-1 and LANA-2 in ascites-derived BC-3 (left) or BCBL-1 (right) cells treated ex vivo for 48 h with ATO, Lena, or their combination. Densitometry histograms represent an average of 3 independent experiments. Uncropped blots of Figure 2b are shown in Figure S5 (c) Real-time quantitative PCR analysis of transcript levels of KSHV latent genes v-FLIP and v-Cyclin in ascites-derived BC-3 (left) or BCBL-1 (right), 48 h post treatment with ATO, Lena, or the ATO/Lena combination. Results represent the average of 3 independent experiments. (*) indicates $p < 0.05$; (**) indicates $p < 0.01$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/32883022>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Hyperphosphorylation of Akt induced by KSHV in THP-1 infected cells is resistant to Bortezomib treatment. A) Immunofluorescence of mock and KSHV-infected THP-1 cells with anti-LANA antibodies. Typical LANA staining (intranuclear red punctuation) is visible in cells latently infected by KSHV. The counterstaining of THP-1 DNA with DAPI (blue) is shown. B) Western blot analysis of phospho-Akt (ρ -AKT) and total AKT (AKT) in mock and KSHV-infected THP-1 cells, untreated or treated with Bortezomib (Bz, 10 nM), or LY294002 (Ly, 1 μ M) or combination of both (Bz, 10 nM plus Ly, 1 μ M). β -actin is included as protein loading control. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/24422998>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Gonnella R, Santarelli R, Farina A et al. Kaposi sarcoma associated herpesvirus (KSHV) induces AKT hyperphosphorylation, bortezomib-resistance and GLUT-1 plasma membrane exposure in THP-1 monocytic cell line Journal of Experimental & Clinical Cancer Research 2013-12-01 [PMID: 24422998] (Block/Neutralize, Immunocytochemistry/ Immunofluorescence)

Moodad SH VIRALLY-INDUCED HEMATOLOGICAL MALIGNANCIES WITH DISMAL PROGNOSIS: IMPACT OF EPIGENETICS AND POTENTIAL THERAPEUTICS Thesis 2021-01-01 (WB)

Moodad S, El Hajj R, Hleihel R et al Lenalidomide in Combination with Arsenic Trioxide: an Effective Therapy for Primary Effusion Lymphoma Cancers (Basel) 2020-09-05 [PMID: 32883022] (WB, WB)

Details:

Citation using the HRP version of this antibody.

Kwun HJ, Toptan T, Ramos da Silva S et al. Human DNA tumor viruses generate alternative reading frame proteins through repeat sequence recoding. Proc. Natl. Acad. Sci. U.S.A. 2014-10-14 [PMID: 25271323] (WB)

Gonnella R, Santarelli R, Farina A et al. Kaposi sarcoma associated herpesvirus (KSHV) induces AKT hyperphosphorylation, bortezomib-resistance and GLUT-1 plasma membrane exposure in THP-1 monocytic cell line. J Exp Clin Cancer Res 2013 Oct 23 [PMID: 24422998] (ICC/IF, Human)





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Products Related to NBP1-30176

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

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