KR1_HHV11 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KR1_HHV11, Polyclonal Antibody
Full Product Name	KR1_HHV11 Conjugated Antibody
Product Gene Name	anti-KR1_HHV11 antibody
Product Synonym Names	Serine/threonine-protein kinase US3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	KR1_HHV11 antibody detects endogenous levels of total KR1_HHV11
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	52,835 Da
3D Structure	ModBase 3D Structure for P04413
Immunogen	A synthesized peptide derived from human KR1_HHV11
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-KR1_HHV11 antibody	Most Applications
Application Notes for anti-KR1_HHV11 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-KR1_HHV11 antibody	MBS9453436 is an antibody targeting KR1_HHV11. Also known as KR1_HHV11 Conjugated Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-KR1_HHV11 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KR1_HHV11. It may not necessarily be applicable to this product.

NCBI GI #	820945293
NCBI GeneID	2703401

NCBI Accession #	YP_009137138.1
UniProt Primary Accession #	P04413
GenBank Nucleotide #	NC_001806.2
NCBI Official Full Name	serine/threonine protein kinase US3
NCBI Official Symbol	US3
UniProt Protein Name	Serine/threonine-protein kinase US3
UniProt Gene Name	US3
NCBI Protein Information	tegument protein; phosphorylates nuclear egress lamina protein; mediates phosphorylation of HDAC1 and HDAC2 and other cellular and viral proteins; involved in protein phosphorylation; involved in apoptosis; involved in nuclear egress
UniProt Comments for KR1_HHV11	Multifunctional serine/threonine kinase that plays a role in several processes including egress of virus particles from the nucleus, modulation of the actin cytoskeleton and inhibition of apoptosis. Phosphorylates UL31 and UL34, two critical regulators of capsid budding from nucleus to endoplasmic reticulum, thereby facilitating virion egress. Modulates and redistributes host components of the nuclear envelope, including LMNA, emerin/EMD and the nuclear matrix protein MATR3. Phosphorylates envelope glycoprotein B (gB), probably to direct it to the cell surface. Promotes virus intracellular spread by restructuring host cell cytoskeleton. Blocks host apoptosis to extend cell survival and allow efficient viral replication. Promotes viral gene expression by phosphorylating host HDAC2 to reduce viral genome silencing.
Research Articles on KR1_HHV11	**1.** It regulates the pathogenicity of herpes simplex virus type-1
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