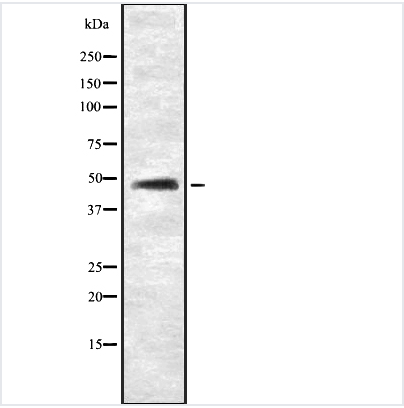
KR2_EBV Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KR2_EBV, Polyclonal Antibody
Full Product Name	KR2_EBV Antibody
Product Gene Name	anti-KR2_EBV antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	KR2_EBV antibody detects endogenous levels of total KR2_EBV
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	KR2_EBV peptide (MBS9627812) is used for blocking the activity of KR2_EBV antibody (MBS9609104)
Molecular Weight	Observed: 48 kDa
3D Structure	ModBase 3D Structure for P13288
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human KR2_EBV
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-KR2_EBV antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-KR2_EBV antibody	WB: 1:1000-3000
Related Product Information for anti-KR2_EBV antibody	MBS9609104 is an antibody targeting KR2_EBV. Also known as KR2_EBV Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-KR2_EBV 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.



Western Blot (WB) of anti-KR2_EBV antibody
Western blot analysis of KR2_EBV using COS7 whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KR2_EBV. It may not necessarily be applicable to this product.

NCBI GI #	82503244
NCBI GeneID	3783704
NCBI Accession #	YP_401688.1
UniProt Primary Accession #	P13288
UniProt Secondary Accession #	Q777D1
UniProt Related Accession #	P0C731
GenBank Nucleotide #	NC_007605.1
NCBI Official Full Name	tegument serine/threonine protein kinase
NCBI Official Symbol	BGLF4
UniProt Protein Name	Serine/threonine-protein kinase BGLF4
UniProt Gene Name	BGLF4
NCBI Protein Information	tegument serine/threonine protein kinase
UniProt Comments for KR2_EBV	Plays many key roles by phosphorylating several proteins including the viral DNA processivity factor BMRF1, EBNA1 or EBNA2. Modifies the host nuclear envelope structure and induces the redistribution of nuclear envelope-associated proteins by phosphorylating host nucleoporins. Subsequently, promotes the nuclear transport of EBV lytic proteins. Required for efficient lytic DNA replication and release of nucleocapsids from the nucleus. Contributes to the compaction of host cell chromatin in cells undergoing lytic replication, presumably by phosphorylating the host condensin complex and host TOP2A. Induces disassembly of the nuclear lamina by phosphorylating with host LMNA. Phosphorylates substrates involved in capsid assembly and DNA packaging. Facilitates the switch from latent to lytic DNA replication by down-regulating EBNA1 replication function. Phosphorylates the viral immediate-early protein BZLF1 and inhibits its sumoylation by interacting with host SUMO1 and SUMO2.
Research Articles on KR2_EBV	**1.** The region of aa 250-295 of BGLF4 is essential for the BGLF4/Hsp90 interaction.
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