VPR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	VPR, Polyclonal Antibody
Full Product Name	Rabbit anti-Human immunodeficiency virus type 1 group M subtype K (isolate 97ZR-EQTB11)(HIV-1) VPR Polyclonal Antibody
Product Gene Name	anti-VPR antibody
Product Synonym Names	VPR Antibody; Protein Vpr; R ORF protein; Viral protein R; vpr
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human immunodeficiency virus type 1 group M subtype K (isolate 97ZR-EQTB11)(HIV-1)
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH7.4
Purity/Purification	Antigen-affinity
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	11,383 Da
3D Structure	ModBase 3D Structure for P0C1P3
Immunogen	Recombinant Human immunodeficiency virus type 1 group M subtype K (isolate 97ZR-EQTB11) (HIV-1) vpr protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-VPR antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-VPR antibody	MBS7151028 is an antibody targeting VPR. Also known as Rabbit anti-Human immunodeficiency virus type 1 group M subtype K (isolate 97ZR-EQTB11)(HIV-1) VPR Polyclonal Antibody. Reactive in Human immunodeficiency virus type 1 group M subtype K (isolate 97ZR-EQTB11)(HIV-1). Host: Rabbit.
Other Notes	Small volumes of anti-VPR 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 VPR. It may not necessarily be applicable to this product.

NCBI GI #	110816484
NCBI Accession #	P0C1P3.1
UniProt Primary Accession #	P0C1P3
NCBI Official Full Name	Protein Vpr

UniProt Protein Name	Protein Vpr
UniProt Synonym Protein Names	R ORF protein
Protein Family	Minor extracellular protease
UniProt Gene Name	vpr
UniProt Comments for VPR	During virus replication, may deplete host UNG protein, and incude G2-M cell cycle arrest. Acts by targeting specific host proteins for degradation by the 26S proteasome, through association with the cellular CUL4A-DDB1 E3 ligase complex by direct interaction with host VPRPB/DCAF-1. Cell cycle arrest reportedly occurs within hours of infection and is not blocked by antiviral agents, suggesting that it is initiated by the VPR carried into the virion. Additionally, VPR induces apoptosis in a cell cycle dependent manner suggesting that these two effects are mechanistically linked. Detected in the serum and cerebrospinal fluid of AIDS patient, VPR may also induce cell death to bystander cells.
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