VIF Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	VIF, Polyclonal Antibody
Full Product Name	Rabbit anti-Human immunodeficiency virus type 1 group M subtype K (isolate 96CM-MP535)(HIV-1) VIF Polyclonal Antibody
Product Gene Name	anti-VIF antibody
Product Synonym Names	VIF Antibody; Virion infectivity factor; Vif; SOR protein; [Cleaved into: p17; p7] vif
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human immunodeficiency virus type 1 group M subtype K (isolate 96CM-MP535)(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	22,688 Da
3D Structure	ModBase 3D Structure for P0C1K5
Immunogen	Recombinant Human immunodeficiency virus type 1 group M subtype K (isolate 96CM-MP535) (HIV-1) vif protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-VIF antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-VIF antibody	MBS7150612 is an antibody targeting VIF. Also known as Rabbit anti-Human immunodeficiency virus type 1 group M subtype K (isolate 96CM-MP535)(HIV-1) VIF Polyclonal Antibody. Reactive in Human immunodeficiency virus type 1 group M subtype K (isolate 96CM-MP535)(HIV-1). Host: Rabbit.
Other Notes	Small volumes of anti-VIF 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 VIF. It may not necessarily be applicable to this product.

NCBI GI #	110288010
NCBI Accession #	P0C1K5.1
UniProt Primary Accession #	P0C1K5
NCBI Official Full Name	Virion infectivity factor

UniProt Protein Name	Virion infectivity factor
UniProt Synonym Protein Names	SOR protein
Protein Family	Truncated virion infectivity factor
UniProt Gene Name	vif
UniProt Synonym Gene Names	Vif
UniProt Comments for VIF	Counteracts the innate antiviral activity of host APOBEC3F and APOBEC3G. Forms a complex with host APOBEC3F and APOBEC3G thus preventing the entry of these lethally hypermutating enzymes into progeny virions. Recruits an active E3 ubiquitin ligase complex composed of elongin BC, CUL5, and RBX2 to induce polyubiquitination of APOBEC3G and APOBEC3F. In turn, they are directed to the 26S proteasome for degradation. Vif interaction with APOBEC3G also blocks its cytidine deaminase activity in a proteasome-independent manner, suggesting a dual inhibitory mechanism. May interact directly with APOBEC3G mRNA in order to inhibit its translation. Seems to play a role in viral morphology by affecting the stability of the viral nucleoprotein core. Finally, Vif also contributes to the G2 cell cycle arrest observed in HIV infected cells.
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