ENV Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ENV, Polyclonal Antibody
Full Product Name	Rabbit anti-Xenotropic MuLV-related virus (isolate VP42)(XMRV) ENV Polyclonal Antibody
Product Gene Name	anti-ENV antibody
Product Synonym Names	ENV Antibody; Envelope glycoprotein; Env polyprotein; [Cleaved into: Surface protein; SU; Transmembrane protein; TM; R-peptide] env
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Xenotropic MuLV-related virus (isolate VP42)(XMRV)
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	69,887 Da
3D Structure	ModBase 3D Structure for Q2F7I8
Immunogen	Recombinant Xenotropic MuLV-related virus (isolate VP42) (XMRV) env protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ENV antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-ENV antibody	MBS7192629 is an antibody targeting ENV. Also known as Rabbit anti-Xenotropic MuLV-related virus (isolate VP42)(XMRV) ENV Polyclonal Antibody. Reactive in Xenotropic MuLV-related virus (isolate VP42)(XMRV). Host: Rabbit.
Other Notes	Small volumes of anti-ENV 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 ENV. It may not necessarily be applicable to this product.

NCBI GI #	123934816
NCBI Accession #	Q2F7I8.1
UniProt Primary Accession #	Q2F7I8
NCBI Official Full Name	Envelope glycoprotein

UniProt Protein Name	Envelope glycoprotein
UniProt Synonym Protein Names	Env polyprotein
Protein Family	Envelope glycoprotein
UniProt Gene Name	env
UniProt Synonym Gene Names	SU; TM
UniProt Comments for ENV	The surface protein (SU) attaches the virus to the host cell by binding to its receptor. This interaction activates a thiol in a CXXC motif of the C-terminal domain, where the other Cys residue participates in the formation of the intersubunit disulfide. The activated thiol will attack the disulfide and cause its isomerization into a disulfide isomer within the motif. This leads to SU displacement and TM refolding, and is thought to activate its fusogenic potential by unmasking its fusion peptide. Fusion occurs at the host cell plasma membrane ().
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