

Rabbit HIV2 gp36 Polyclonal Antibody | anti-HIV2gp36 antibody

HIV2 gp36 Polyclonal Antibody

CATALOG # AAA292041	HOST Rabbit	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

HIV2 gp36; Polyclonal Antibody; HIV2 gp36 Polyclonal Antibody; Envelope glycoprotein gp160; Env polyprotein; Surface protein gp120; SU; Glycoprotein 120; gp120; Transmembrane protein gp41; TM; Glycoprotein 41; gp41; env; anti-HIV2gp36 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol
Applicable Applications for anti-HIV2gp36 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Function	The surface protein gp120 (SU) attaches the virus to the host lymphoid cell by binding to the primary receptor CD4. This interaction induces a structural rearrangement creating a high affinity binding site for a chemokine coreceptor like CXCR4 and/or CCR5. This peculiar 2 stage receptor-interaction strategy allows gp120 to maintain the highly conserved coreceptor-binding site in a cryptic conformation, protected from neutralizing antibodies. Since CD4 also displays a binding site for the disulfide-isomerase P4HB/PDI, a P4HB/PDI-CD4-CXCR4-gp120 complex may form. In that complex, P4HB/PDI could reach and reduce gp120 disulfide bonds, causing major conformational changes in gp120. TXN, another PDI family member could also be involved in disulfide rearrangements in Env during fusion. These changes are transmitted to the transmembrane protein gp41 and are thought to activate its fusogenic potential by unmasking its fusion peptide (By similarity).
Cellular Location	[Transmembrane protein gp41]: Virion membrane; Single-pass type I membrane protein. Host cell membrane; Single-pass type I membrane protein. Host endosome membrane; Single-pass type I membrane protein. Note=It is probably concentrated at the site of budding and incorporated into the virions possibly by contacts between the cytoplasmic tail of Env and the N-terminus of Gag
Preparation and Storage	Store at -20°C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119462
UniProt Accession #	P04577
Molecular Weight	98,824 Da
NCBI Official Full Name	Envelope glycoprotein gp160
UniProt Protein Name	Envelope glycoprotein gp160
UniProt Gene Name	env
UniProt Synonym Gene Names	SU; gp120; TM; gp41

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/hiv2-gp36-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/292041>