Datasheet for ABIN6990968

anti-GP120 antibody (AA 470-520)

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Overview

Quantity:	0.1 mg
Target:	GP120 (HIV-1 gp120)
Binding Specificity:	AA 470-520
Reactivity:	Human Immunodeficiency Virus (HIV)
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This GP120 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	gp120 antibody was raised against 15 amino acids from near the center of gp120. The immunogen is located within amino acids 470 - 520 of gp120.
Isotype:	IgG
Purification:	gp120 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	GP120 (HIV-1 gp120)
Alternative Name:	HIV1 Gp120 (HIV-1 gp120 Products)
Target Type:	Viral Protein
Background:	Gp120 Antibody: Human immunodeficiency virus type 1 (HIV-1) entry into target cells is

Target Details

	directed by the envelope (Env) glycoproteins, which are present on the surface of HIV-1 virion or infected cells in the form of trimers consisting of gp120/gp41 complexes. The surface subunit, gp120, initiates the entry process by interacting sequentially with the CD4 receptor and a co-receptor CCR5 or CXCR4, thereby inducing a conformational change that allows the transmembrane (TM) gp41 subunit to mediate fusion between viral and target cell membranes. Cleavage of Env into its gp120 and gp41 components is necessary for activation of its fusogenic activity.
Gene ID:	155971
UniProt:	Q6BBS3

Application Details

Application Notes:	Gp120 antibody can be used for detection of gp120 by Western blot at 1 µg/mL.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	gp120 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	gp120 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.