



# Anti-HIV type 1 Gag Protein polyclonal antibody (DPAB3977)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Polyclonal antibody to HIV-1 Gag Protein (Clade A).
<b>Antigen Description</b>	Murine leukemia viruses belong to family of Retroviruses group and are named for their ability to cause cancer in mice. Some form of MLV's are used in cancer research. The retroviral Gag protein plays important roles at several stages in the viral life cycle. Late in infection, the Gag precursor protein acts to mediate the assembly and release of virion particles. After budding, the core matures by cleavage of Gag precursor protein into the mature core proteins, the matrix (MA), capsid (CA) and nucleocapsid proteins. These separated Gag proteins then play roles in the early stages of infection.
<b>Specificity</b>	Reacts with HIV-1 (Clade A) p55 Gag protein and p24 matrix protein. Cross-reactivity to Gag from other subtypes not tested.
<b>Target</b>	HIV type 1 Gag Protein
<b>Immunogen</b>	in vivo expressed HIV-1 Gag protein (Clade A) protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	HIV
<b>Purification</b>	Immunoaffinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA
<b>Size</b>	100 µg

<b>Preservative</b>	None
<b>Storage</b>	Store at 4 oC; DO NOT FREEZE; Stable for 6 months from the date of shipment. Non-hazardous.

## BACKGROUND

<b>Introduction</b>	One of the obstacles to treatment of the human immunodeficiency virus is its high genetic variability. HIV can be divided into two major types, HIV type 1 (HIV-1) and HIV type 2 (HIV-2). HIV-1 is related to viruses found in chimpanzees and gorillas living in western Africa, while HIV-2 viruses are related to viruses found in sooty mangabeys. HIV-1 viruses may be further divided into groups.
<b>Keywords</b>	Group VI; Retroviridae; Lentivirus; Human immunodeficiency virus 1; Human immunodeficiency virus 2; Gag (HIV-1/Clade A); HIV-1 Gag Protein (Clade A)