

For Research Use Only

# HIV-1-P24 Polyclonal antibody

Catalog Number: 30168-1-AP



## Basic Information

<b>Catalog Number:</b> 30168-1-AP	<b>GenBank Accession Number:</b> NP_057850	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 155030	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P04591	
<b>Isotype:</b> IgG	<b>Full Name:</b> Gag polyprotein	
<b>Immunogen Catalog Number:</b> AG32891	<b>Calculated MW:</b> 24 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Recombinant protein,
<b>Species Specificity:</b> Recombinant protein	

## Background Information

The HIV virus is composed of core RNA, capsid, and the outermost envelope. Among them, the capsid is only composed of P24 protein, which is the product of structural gene GAG. GAG encodes a 55kda GAG protein P55, which is cleaved into capsid P24 by protease H. P24 surrounds the core genomic RNA of the HIV virus particles, forming a firm conical nucleocapsid complex. In addition, due to the high conservativeness of the GAG gene sequence, the P24 protein amino acid sequence is also highly conservative in different strains of HIV, so it can be used as a detection of antigen in HIV infection.

## Storage

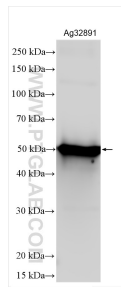
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Recombinant protein were subjected to SDS PAGE followed by western blot with 30168-1-AP (HIV-1-P24 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.