

# HIV-1-P24 Polyclonal antibody

Catalog Number: 30168-1-AP

## Basic Information

Catalog Number:

30168-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32891

GenBank Accession Number:

NP\_057850

GeneID (NCBI):

155030

UNIPROT ID:

P04591

Full Name:

Gag polyprotein

Calculated MW:

24 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Recombinant protein

Positive Controls:

WB : 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

For technical support and original validation data for this product please contact:

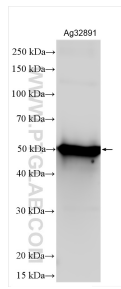
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## Selected Validation Data



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.