

For Research Use Only

HIV-1-P24 Polyclonal antibody

Catalog Number: 30168-1-AP



Basic Information

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

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Recombinant protein,
Species Specificity: 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

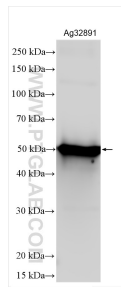
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.