

For Research Use Only

PPIA-Specific Polyclonal antibody

Catalog Number: 35001-1-AP

1 Publications



Basic Information

Catalog Number:

35001-1-AP

Size:

150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_021130

GeneID (NCBI):

5478

UNIPROT ID:

P62937

Full Name:

peptidylprolyl isomerase A (cyclophilin A)

Calculated MW:

18 kDa

Observed MW:

18 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : NIH3T3 cells,

Background Information

PPIA, also named as CYPA and Rotamase A, belongs to the cyclophilin-type PPIase family and PPIase A subfamily. PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIA forms a trimolecular complex with cyclophilin and calcineurins to inhibit calcineurin phosphatase activity. PPIA is incorporated into the virion of the type 1 human immunodeficiency virus (HIV-1) via a direct interaction with the capsid domain of the viral Gag polyprotein and is crucial for efficient viral replication. This antibody is immunized with full length gene PPIA and absorbed by PPIF. So this antibody is specific to PPIA.

Notable Publications

Author	Pubmed ID	Journal	Application
Qi Ying	25974208	PLoS One	WB

Storage

Storage:

Store at -20°C.

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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