

For Research Use Only

Cyclophilin A Monoclonal antibody

Catalog Number: 67880-1-Ig



Basic Information

Catalog Number:

67880-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1120

GenBank Accession Number:

BC005320

GeneID (NCBI):

5478

UNIPROT ID:

P62937

Full Name:

peptidylprolyl isomerase A
(cyclophilin A)

Calculated MW:

18 kDa

Observed MW:

18 kDa

Purification Method:

Protein A purification

CloneNo.:

2B11B9

Recommended Dilutions:

WB 1:5000-1:50000

IF 1:400-1:1600

Applications

Tested Applications:

FC, IF/ICC, WB, ELISA

Species Specificity:

Human, Mouse, Rat

Positive Controls:

WB : HepG2 cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells, 4T1 cells

IF : HeLa cells,

Background Information

Cyclophilin A, also named as PPIA 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.

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:

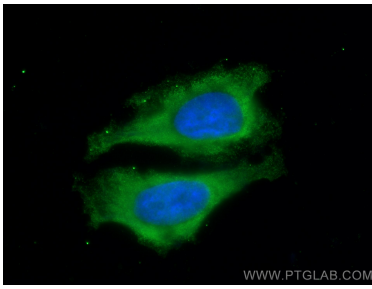
T: 4006900926

E: Proteintech-CN@ptglab.com

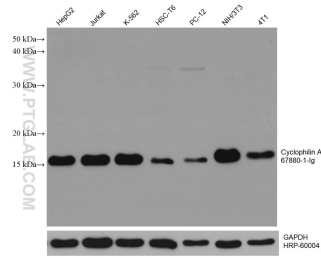
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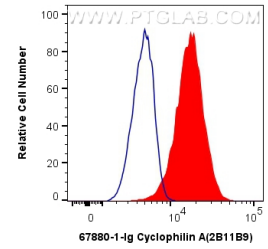
Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Cyclophilin A antibody (67880-1-Ig, Clone: 2B11B9) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 67880-1-Ig (CYPA antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human Cyclophilin A (67880-1-Ig, Clone:2B11B9) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).