

Cyclophilin B Rabbit mAb

Catalog No: #48895

Package Size: #48895-1 50ul #48895-2 100ul

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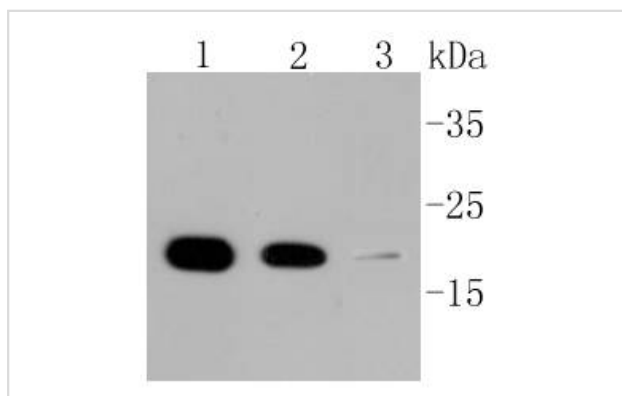
Description

Product Name	Cyclophilin B Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	ST05-22
Purification	ProA affinity purified
Applications	WB
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	AA408962 antibody AA553318 antibody A1844835 antibody Cphn 2 antibody Cphn2 antibody Cyclophilin B antibody Cyclophilin like protein antibody CyP 20b antibody CYP S1 antibody CYP-S1 antibody CYPB antibody EC 5.2.1.8 antibody MGC14109 antibody MGC2224 antibody OI9 antibody peptidyl prolyl cis trans isomerase B antibody Peptidyl prolyl cis trans isomerase B precursor antibody Peptidyl-prolyl cis-trans isomerase B antibody peptidylprolyl isomerase B (cyclophilin B) antibody Peptidylprolyl isomerase B antibody PPIase antibody PPIase B antibody Ppib antibody PPIB_HUMAN antibody Rotamase antibody Rotamase B antibody S cyclophilin antibody S-cyclophilin antibody SCYLP antibody
Accession No.	Swiss-Prot#:P23284
Uniprot	P23284
GeneID	5479;
Calculated MW	18 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:1,000-5,000

Images



Western blot analysis of Cyclophilin B on different lysates using anti-Cyclophilin B antibody at 1/1,000 dilution. Positive control: Lane 1: Hela Lane 2: HepG2 Lane 3: NIH/3T3

Background

The immunosuppressant cyclosporin A (CsA) forms a trimolecular complex with cyclophilin and calcineurins to inhibit calcineurin phosphatase activity. Cyclophilins are conserved, ubiquitous and abundant cytosolic peptidyl-prolyl cis-trans isomerases that accelerate the isomerization of XaaPro peptide bonds and the refolding of proteins. Human cyclophilin A (CyPA), an intracellular protein of 165 amino acids, is the target of the Cyclosporin A and is encoded by a single unique gene conserved from yeast to humans. CyPA is known for its involvement in T cell differentiation and proliferation and is highly expressed in brain. CyPA 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. Cyclophilin B (CyPB) is a member of the cyclophilin family with specific N- and C-terminal extensions. Unlike CyPA, CyPB has a signal sequence leading to its translocation in the endoplasmic reticulum. CyPB is secreted in biological fluids such as blood or milk and binds to a specific receptor present on the human lymphoblastic cell line Jurkat and on human peripheral blood lymphocytes.

References

Note: This product is for in vitro research use only