Anti-Cyclophilin B Mab Antibody(7B2)

Cat #: D-AKE1130

Size: 50 µL / 200 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Background

Immunophilins are a family of soluble cytosolic receptors capable of binding to one of two major immunosuppressant agents - cyclosporin A (CsA) or FK506. Proteins which bind FK506 are termed FK506 Binding Proteins (FKBP's) and those which bind cyclosporin A are called cyclophilins (CyP). Both CyP:CsA and FKBP:FK506 complexes have been shown to inhibit calcineurin, a calcium and calmodulin dependent protein phosphatase which has been implicated as an important signaling enzyme in T-cell activation. Thus, providing a possible mechanism of immunosuppression by CsA and FK506. Immunophilins function as peptidyl prolyl cis-trans-isomerases (PPIase) whose activity is inhibited by their respective immunosuppressant compounds. As PPIase's, immunophilins accelerate folding of some proteins both in vivo and in vitro by catalyzing slow steps in the initial folding and rearrangement of proline containing proteins.

Product Information

Applications: WB, IHC, IF

Suggested starting dilutions are as follows: WB (1:1000-1:2000), IHC (1:50-1:300), IF (1:50-1:200).

Isotype: Mouse IgG

Reactivity: Human, Mouse, Rat

Formulation: Liquid

Concentration: 1 mg/mL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Storage Buffer: Liquid in PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

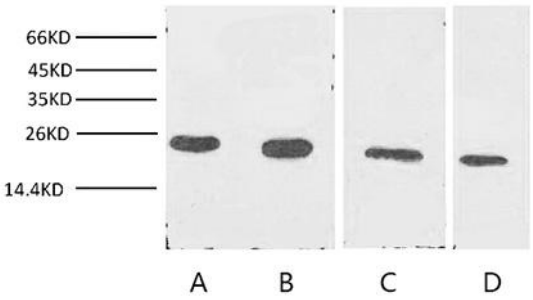

Fig. Western blot analysis of Cyclophilin B expression in Jurkat cells (lane A), 293T cells (lane B), Rat liver tissue (lane C) and 3T3 cells with Anti-Cyclophilin B Monoclonal Antibody (7B2) with 1:2000 dilutions.

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.