IBL Data Sheet

Code No. 28125

Anti-Rat
CyCAP (74) Rabbit IgG Affinity Purify

Volume : 50 µg

Introduction : CyCAP is a binding protein for cyclophilin C in competition with cyclosporine. It is present in brain, kidney and macrophage cells and is known as an inflammation-related protein. In recent years, it has been reported that CyCAP forms complexes with calcineurin and NFATc1 in macrophages and enhances their phagocytosis activity (ref. 1). CyCAP is detected in macrophages both of in vivo and in vitro, and the signals increase when the macrophages are activated. Additionally, it is stained in neurocytes of rat brain tissues. (ref. 1)

Antigen : Synthetic peptide of a part of Rat CyCAP (LGRAAFGPGKGPIMLDEVEC)
The sequence used is 100% identical with Mouse CyCAP

Purification : Purified with antigen peptide

Form : Lyophilized product in PBS containing 1 % BSA and 0.05 % NaN_3

How to use : 0.5 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

Stability : Lyophilized product, 5 years at 2 – 8 °C
: Solution, 2 years at –20 °C

Application : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues. The optimal concentration is 0.1 µg/mL*.
: This antibody can be used for immunocytochemistry. The optimal concentration is 0.5 µg/mL*.
: This antibody can be used for western blotting in concentration of 0.1 µg/mL*.
: This antibody can be used for immuno-precipitation in concentration of about 0.1 - 0.15 µg/test*.
*The concentration should be optimized by each laboratory.

Specificity : Cross reacts with mouse CyCAP.

Reference : 1. Yamaguchi R, Hosaka M, Torii S, Hou N, Saito N, Yoshimoto Y, Imai H, Takeuchi T. Cyclophilin C-associated protein regulation of phagocytic functions via NFAT activation in macrophages. Brain Res. 2011 Jun 23;1397:55-65.

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