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PPIA

Reactivity: Human Mouse

Tested applications:WB IHC FC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:100 FC1:20 - 1:50

Calculated MW:18kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human PPIA

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

j

Synonym:

PPIA;CYPA;CYPH;MGC117158;MGC12404;MGC23397

Catalog #:A0113

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:5478

Isotype: IgG

Swiss Prot:P62937

Purity: Affinity purification

For research use only.

Background:

Cyclophilins are a highly conserved family of peptidylprolyl cis-trans-isomerases (PPIA) that are targets of the immunosuppressant drug cyclosporin A (CsA) (1,2). The complex of cyclophilin and CsA can bind to and inhibit calcineurin which leads to inhibition of the transcription factor NFAT and decreased production of cytokines (3,4). As isomerases, cyclophilins have been proposed to aid in protein folding. Cyclophilin A can bind to the p55 Gag protein of HIV and appears necessary for HIV infection (5,6). There is also some evidence that cyclophilins have nuclease activity and play a role in apoptosis (7).

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