

PPP1CA

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW: 38kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human PPP1CA

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

q

Synonym:

PPP1CA;MGC15877;MGC1674;PP-1A;PP1alpha;PPP1A;

Catalog #: A2184

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5499

Isotype: IgG

Swiss Prot: P62136

Purity: Affinity purification

For research use only.

Background:

Type 1 protein phosphatase (PP1), a serine/threonine phosphatase, is highly conserved in eukaryotic cells. Four isoforms of PP1 have been characterized: PP1, PP1 α , PP1 β and PP1 γ (1). Involvement in cell cycle regulation is one of the biological functions of PP1 (1). It has been illustrated that PP1 dephosphorylates Rb and cdc25 during mitosis (2,3). A cell cycle-dependent phosphorylation at Thr320 of PP1 by cdc2 kinase inhibits PP1 activity (4).

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