

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, PP11 and PP12 (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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