

Product Datasheet

PPP1CA + PPP1CB Antibody

Catalog No: CY5119

Reactivity: Human, Mouse, Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC IP



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Information

UniProt ID: P62136, P62140

All Names: PPP1A, PP-1A, PP1A, PPP1CA, PPP1CB, PP-1B, PPP1CD

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: Synthesized peptide

Molecular Wt.: 37kDa

Application

WB: 1:500~1:2000

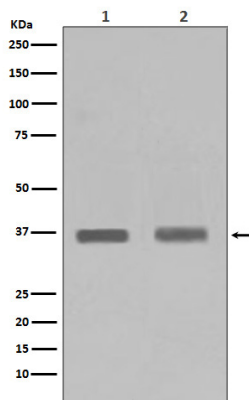
IHC: 1:50~1:200

ICC: 1:50~1:200

IP: 1:50

Background

Protein phosphatase that associates with over 200 regulatory proteins to form highly specific holoenzymes which dephosphorylate hundreds of biological targets. Protein phosphatase 1 (PP1) is essential for cell division, and participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. Involved in regulation of ionic conductances and long-term synaptic plasticity. May play an important role in dephosphorylating substrates such as the postsynaptic density-associated Ca²⁺/calmodulin dependent protein kinase II. Component of the PTW/PP1 phosphatase complex, which plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase.



Western blot analysis of PPP1CA + PPP1CB expression in (1)Jurkat cell lysate; (2)HeLa cell lysate.

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