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Datasheet for ABIN7140342  
**anti-PPP1CC antibody**

### Overview

Quantity:	100 µL
Target:	PPP1CC
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PPP1CC antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	Purified recombinant human PPP1CC protein fragments expressed in E.coli.
Isotype:	IgG2b
Cross-Reactivity:	Human
Purification:	Affinity purified

### Target Details

Target:	PPP1CC
Alternative Name:	PPP1CC ( <a href="#">PPP1CC Products</a> )
Background:	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. Dephosphorylates RPS6KB1. Involved in

## Target Details

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regulation of ionic conductances and long-term synaptic plasticity. May play an important role in dephosphorylating substrates such as the postsynaptic density-associated Ca<sup>2+</sup>/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.

Aliases: EC 3.1.3.16, PP 1G, PP-1G, PP1G, PP1G\_HUMAN, PP1gamma, PPP 1G, PPP1CC, PPP1CC protein, PPP1G, Protein phosphatase 1 catalytic subunit gamma isoform, Protein phosphatase 1C catalytic subunit, Protein phosphatase 1C subunit

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UniProt: [P36873](#)

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Pathways: [Cellular Glucan Metabolic Process](#), [Lipid Metabolism](#)

## Application Details

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Application Notes: Recommended dilution: WB: 1:500-1:5000,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2 % sodium azide, 0.1 mg/mL BSA and 50 % glycerol.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C, -80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.