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Datasheet for ABIN7169314

anti-PPP1CC antibody (Catalytic Subunit) (FITC)

Overview

Quantity:	100 µg
Target:	PPP1CC
Binding Specificity:	AA 151-323, Catalytic Subunit
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPP1CC antibody is conjugated to FITC
Application:	Please inquire

Product Details

Immunogen:	Recombinant Human Serine/threonine-protein phosphatase PP1-gamma catalytic subunit protein (151-323AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PPP1CC
Alternative Name:	PPP1CC (PPP1CC Products)
Background:	Background: Protein phosphatase that associates with over 200 regulatory proteins to form

Target Details

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 regulation of ionic conductances and long-term synaptic plasticity. May play an important role in dephosphorylating substrates such as the postsynaptic density-associated Ca(2+)/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. In balance with CSNK1D and CSNK1E, determines the circadian period length, through the regulation of the speed and rhythmicity of PER1 and PER2 phosphorylation. May dephosphorylate CSNK1D and CSNK1E. Dephosphorylates the 'Ser-418' residue of FOXP3 in regulatory T-cells (Treg) from patients with rheumatoid arthritis, thereby inactivating FOXP3 and rendering Treg cells functionally defective (PubMed:23396208).

Aliases: PP 1G antibody, PP-1G antibody, PP1C antibody, PP1G antibody, PP1G_HUMAN antibody, PP1gamma antibody, PPP 1G antibody, PPP1CC antibody, PPP1G antibody, Protein phosphatase 1, catalytic subunit, gamma isozyme antibody, Protein phosphatase 1C catalytic subunit antibody, Serine/threonine phosphatase 1 gamma antibody, Serine/threonine protein phosphatase PP1 gamma catalytic subunit antibody, Serine/threonine-protein phosphatase PP1-gamma catalytic subunit antibody

UniProt: [P36873](#)

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

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

Storage: -20 °C,-80 °C

Handling

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