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Datasheet for ABIN2178645

anti-PPP1CC antibody (AA 251-323) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	PPP1CC
Binding Specificity:	AA 251-323
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPP1CC antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PP-1G
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	PPP1CC
Alternative Name:	PP1C gamma (PPP1CC Products)

Target Details

Background: Synonyms: EC 3.1.3.16, PP 1G, PP-1G, PP1C gamma, PP1G, PP1G_HUMAN, PP1gamma, PPP 1G, PPP1CC, PPP1CC protein, PPP1G, Protein phosphatase 1 catalytic subunit gamma isoform, Protein Phosphatase 1 gamma 1, Protein Phosphatase 1 gamma, Protein phosphatase 1C catalytic subunit, Protein phosphatase 1C subunit, Protein phosphatase 2C gamma isoform, Serine/threonine phosphatase 1 gamma, Serine/threonine protein phosphatase PP1 gamma catalytic subunit, Serine/threonine-protein phosphatase PP1-gamma catalytic subunit.

Background: Protein phosphatase 1 (PP1) is essential for cell division, and participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. The protein is involved in regulation of ionic conductances and long term synaptic plasticity. It may play an important role in dephosphorylating substrates such as the postsynaptic density associated Ca (2+)/calmodulin dependent protein kinase II. PP1 comprises a catalytic subunit, PPP1CA, PPP1CB or PPP1CC (PP1C gamma), which is folded into its native form by inhibitor 2 and glycogen synthetase kinase 3, and then complexed to one or several targeting or regulatory subunits. PPP1R12A and PPP1R12B mediate binding to myosin. PPP1R3A, PPP1R3B, PPP1R3C and PPP1R3D mediate binding to glycogen.

Gene ID: 5501

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

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months