Datasheet for ABIN7169312

anti-PPP1CC antibody (Catalytic Subunit)

3 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	PPP1CC
Binding Specificity:	AA 151-323, Catalytic Subunit
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPP1CC antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Serine/threonine-protein phosphatase PP1-gamma catalytic subunit protein (151-323AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
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

Application Notes:	Recommended dilution: WB:1:2000-1:5000, IHC:1:20-1:200,
Restrictions:	For Research Use only

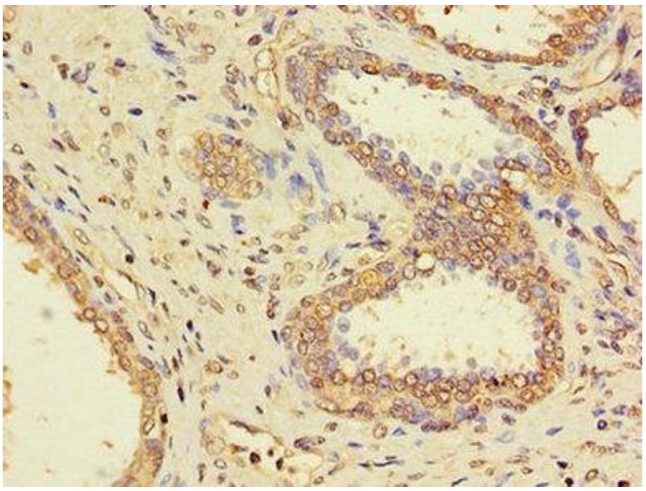
Handling

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.

Handling

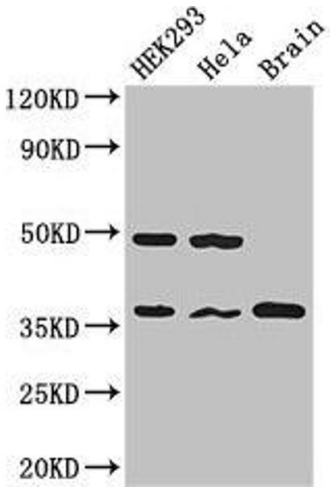
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



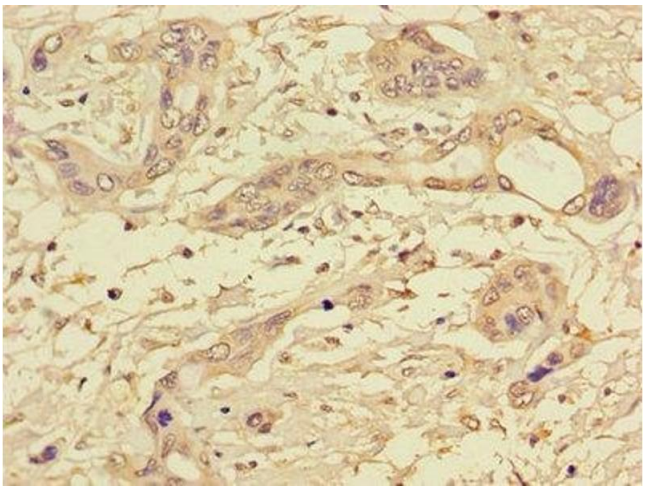
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human prostate cancer using ABIN7169312 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: HEK293 whole cell lysate, Hela whole cell lysate, Mouse brain tissue All lanes: PPP1CC antibody at 2.7 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 37, 39 kDa Observed band size: 37 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human pancreatic cancer using ABIN7169312 at dilution of 1:100