Recombinant PPP1CB Monoclonal Antibody

catalog number: AN301634L

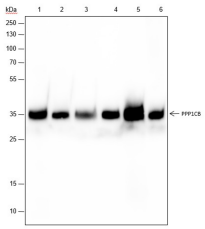
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Rat;Mouse
Immunogen	Recombinant human PPP1CB fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A337
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:50-1:100
IF	1:200-1:500
FCM	1:50-1:100
IP	1:50-1:100

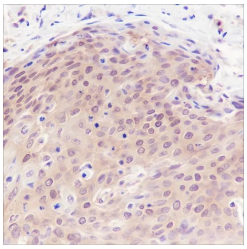
Data



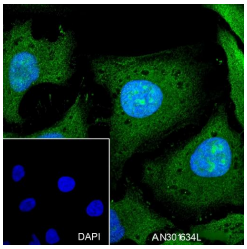
Western Blot with PPP1CB Monoclonal Antibody at dilution of 1:1000. Lane 1: A431, Lane 2: Jurkat, Lane 3: NIH/3T3, Lane 4: PC-12, Lane 5: Mouse brain, Lane 6: Rat brain

Observed-MW:35 kDa

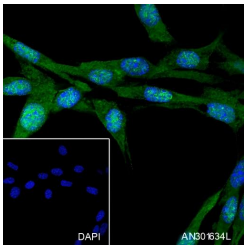
Calculated-MW:37 kDa



Immunohistochemistry of paraffin-embedded Human cervical cancer using PPP1CB Monoclonal Antibody at dilution of 1:100.

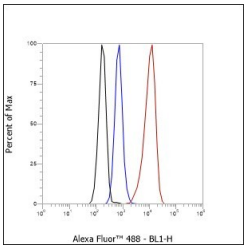


Immunofluorescent analysis of (4% Paraformaldehyde) fixed HeLa cells using anti-PPP1CB Monoclonal Antibody at dilution of 1:500.

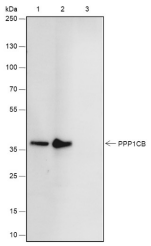


Immunofluorescent analysis of (4% Paraformaldehyde) fixed NIH/3T3 cells using anti-PPP1CB Monoclonal Antibody at dilution of 1:500.

Toll-free: 1-888-852-8623
Web: www.elabscience.com
Tel: 1-832-243-6086
Email: techsupport@elabscience.com
Fax: 1-832-243-6017



Flow cytometric analysis of human PPP1CB expression on HeLa cells. Cells were stained with purified anti-Human PPP1CB, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.



Immunoprecipitation analysis using anti-PPP1CB Monoclonal Antibody. Western blot was performed from the immunoprecipitate using PPP1CB Monoclonal Antibody at a dilution of 1:100. Lane 1: 5% Input, Lane 2: PPP1CB Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:35 kDa

Calculated-MW:37 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Protein phosphatase that associates with over 200 regulatory proteins to form highly specific holoenzymes which dephosphorylate hundreds of biological targets. Protein phosphatase (PP1) is essential for cell division, it participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. Involved in regulation of ionic conductances and long-term synaptic plasticity. Component of the PTW/PP1 phosphatase comple x, 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.