

PP1C Monoclonal Antibody

Catalog No: #27177



Package Size: #27177-1 50ul #27177-2 100ul

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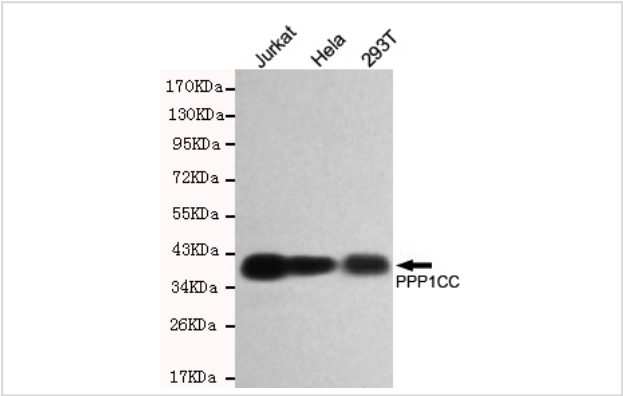
Description

Product Name	PP1C Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	2F2-A3-H10
Isotype	IgG2b
Purification	Affinity purified
Applications	WB
Species Reactivity	Hu
Specificity	This antibody detects endogenous levels of PPP1CC and does not cross-react with related proteins.
Immunogen Type	Recombinant Protein
Immunogen Description	Purified recombinant human PPP1CC protein fragments expressed in E.coli.
Target Name	PP1C
Other Names	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
Accession No.	Uniprot: P36873 Gene ID: 5501
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GeneID	5501;
SDS-PAGE MW	38kd
Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine(pH 7.4,150 mM NaCl)with 0.2% sodium azide,0.1mg/mlBSA and 50% glycerol.
Storage	store at -20ℳ C

Application Details

Western blotting: 1:500

Images



Western blot detection of PPP1CC antibody in HeLa,293T and Jurkat cell lysates using PPP1CC antibody (1:500 diluted).Predicted band size:38KDa.Observed band size:38KDa.

## Background

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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 regulation of ionic conductances and long-term synaptic plasticity. May play an important role in dephosphorylating substrates such as the postsynaptic density-associated  $\text{Ca}^{2+}$ /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.

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Note: This product is for in vitro research use only