

PP1C beta Rabbit mAb

Catalog No: #52520



Package Size: #52520-1 50ul #52520-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

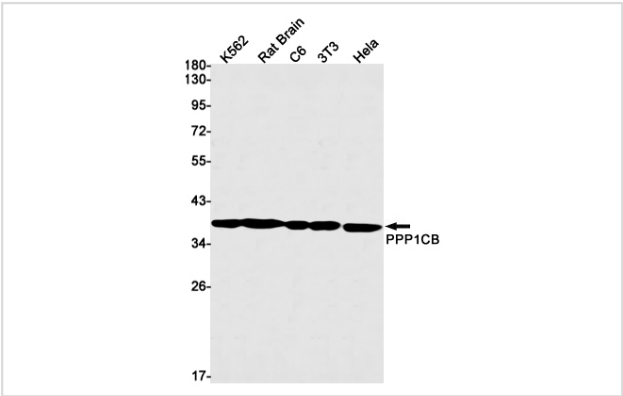
Description

Product Name	PP1C beta Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S09-6B7
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human PPP1CB
Conjugates	Unconjugated
Modification	Unmodification
Other Names	PP1B; NSLH2; PP-1B; PPP1CD; PP1beta; HEL-S-80p
Accession No.	Swiss-Prot:P62140GenelD:5500
Uniprot	P62140
GenelD	5500
Calculated MW	Calculated MW: 37 kDa; Observed MW: 37 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

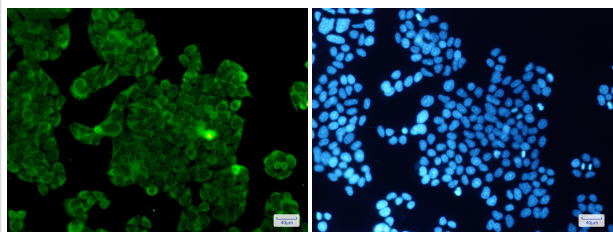
Application Details

WB: 1/2000-1/10000; IHC: 1/50; ICC/IF: 1/20;

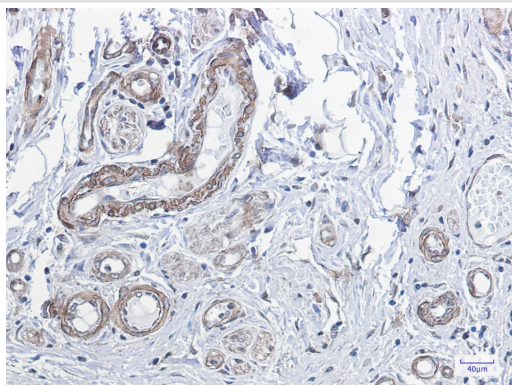
Images



Western blot detection of PPP1CB in K562,Rat Brain,C6,3T3,Hela cell lysates using PPP1CB Rabbit mAb(1:1000 diluted).Predicted band size:37kDa.Observed band size:37kDa.



Immunocytochemistry of PPP1CB(green) in Hela cells using PPP1CB Rabbit mAb at dilution 1/50, and DAPI(blue)



Immunohistochemistry of PPP1CB in paraffin-embedded Human colon cancer tissue using PPP1CB Rabbit mAb at dilution 1/1

Background

Swiss-Prot Acc.P62140. 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 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).

Note: This product is for in vitro research use only