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**Product Name: PPP1CB Mouse Monoclonal Antibody****Catalog #: AMM81350**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	37.2kDa

**Antigen Information**

<b>Gene Name</b>	PPP1CB
<b>Alternative Names</b>	PP1B; PP-1B; PPP1CD; PP1beta
<b>Gene ID</b>	5500.0
<b>SwissProt ID</b>	P62140
<b>Immunogen</b>	Purified recombinant fragment of human PPP1CB (AA: 174-327) expressed in E. Coli.

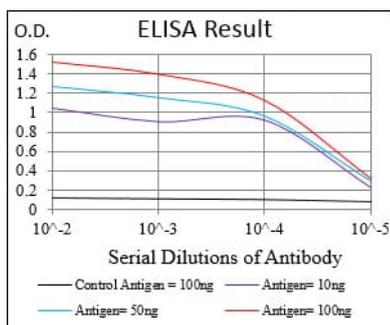
**Background**

The protein encoded by this gene is one of the three catalytic subunits of protein phosphatase 1 (PP1). PP1 is a serine/threonine specific protein phosphatase known to be involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Mouse studies suggest that PP1

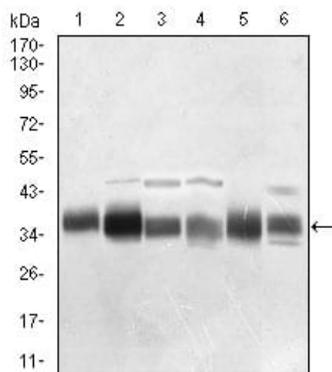
functions as a suppressor of learning and memory. Two alternatively spliced transcript variants encoding distinct isoforms have been observed

## Research Area

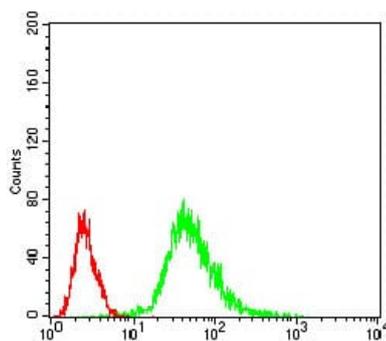
## Image Data



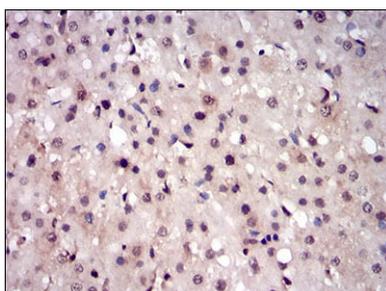
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



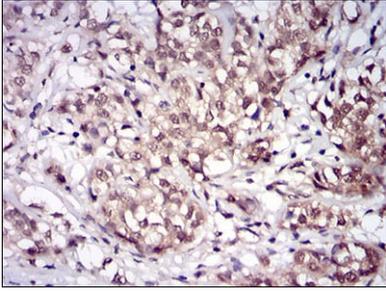
Western blot analysis using PPP1CB mouse mAb against Jurkat (1), A431 (2), HeLa (3), HepG2 (4), HEK293 (5), MCF-7 (6) cell lysate.



Flow cytometric analysis of Jurkat cells using PPP1CB mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human liver tissues using PPP1CB mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using PPP1CB mouse mAb with DAB staining.