Product Name: PPP1CB Mouse Monoclonal Antibody
Catalog #: AMM81358
For research use only.

Summary

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

Application

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

Antigen Information

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

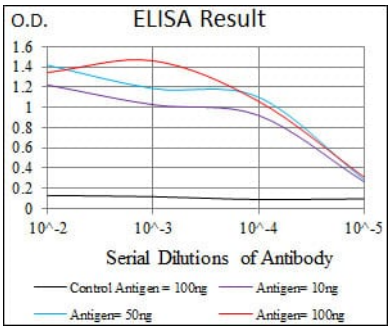
Background

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

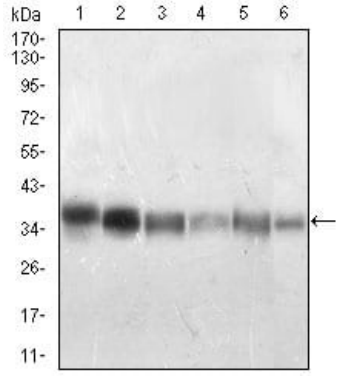
functions as a suppressor of learning and memory. Two alternatively spliced transcript variants encoding distinct isoforms have been observed

Research Area

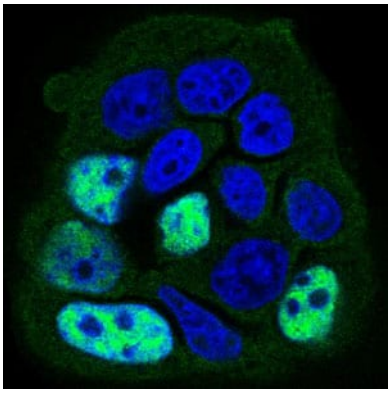
Image Data



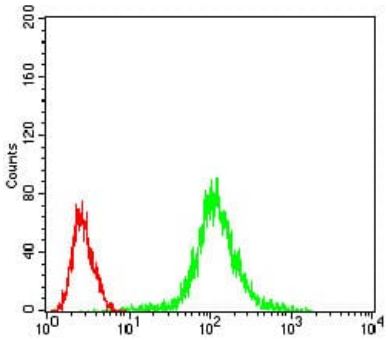
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



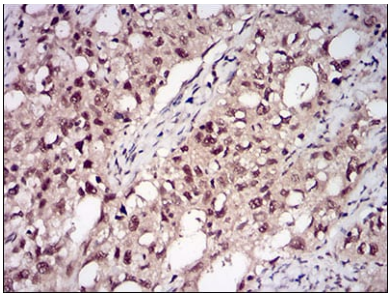
Western blot analysis using PPP1CB mouse mAb against Jurkat (1), A431 (2), Hela (3), HepG2 (4), HEK293 (5), MCF-7 (6) cell lysate.



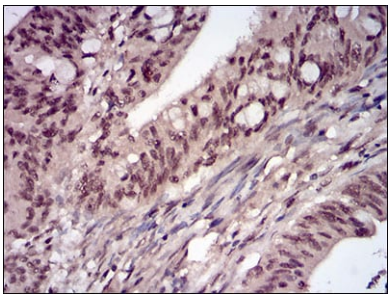
Immunofluorescence analysis of MCF-7 cells using PPP1CB mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



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



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



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