

PP2A α and β mouse mAb

Catalog No :	YM1266
Reactivity :	Human;Mouse;Rat
Applications :	WB;IP
Target :	PP2A α and β
Fields :	>>mRNA surveillance pathway;>>Sphingolipid signaling pathway;>>Oocyte meiosis;>>Autophagy - other;>>Autophagy - animal;>>PI3K-Akt signaling pathway;>>AMPK signaling pathway;>>Adrenergic signaling in cardiomyocytes;>>TGF-beta signaling pathway;>>Hippo signaling pathway;>>Tight junction;>>Dopaminergic synapse;>>Long-term depression;>>Chagas disease;>>Hepatitis C;>>Human papillomavirus infection
Gene Name :	ppp2cb
Human Gene Id :	5516
Human Swiss Prot No :	P62714
Mouse Swiss Prot No :	P62715
Immunogen :	Purified recombinant human full length PP2A beta protein expressed in E.coli
Specificity :	This antibody detects endogenous levels of PP2A alpha and PP2A beta.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	wb 1:2000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 36kD

Cell Pathway : Oocyte meiosis;WNT;WNT-T CELL TGF-beta;Tight junction;Long-term depression;

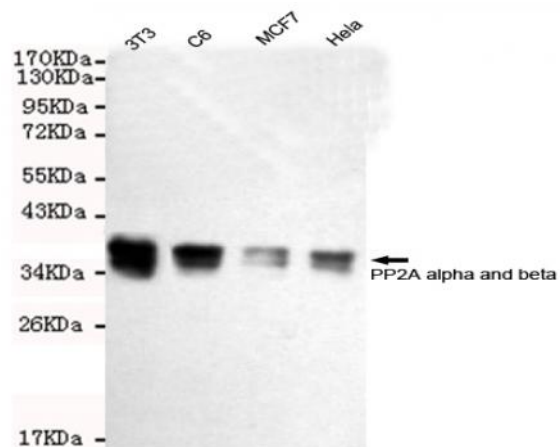
Background : This gene encodes the phosphatase 2A catalytic subunit. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. This gene encodes a beta isoform of the catalytic subunit. [provided by RefSeq, Mar 2010],

Function : catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,cofactor: Binds 1 iron ion per subunit.,cofactor: Binds 1 manganese ion per subunit.,function: PP2A can modulate the activity of phosphorylase B kinase casein kinase 2, mitogen-stimulated S6 kinase, and MAP-2 kinase.,PTM: Phosphorylation of either threonine (by autophosphorylation-activated protein kinase) or tyrosine results in inactivation of the phosphatase. Auto-dephosphorylation has been suggested as a mechanism for reactivation.,PTM: Reversibly methyl esterified on Leu-309. Carboxyl methylation may play a role in holoenzyme assembly. It varies during the cell cycle. Demethylated by PME1 (in vitro).,similarity: Belongs to the PPP phosphatase family.,similarity: Belongs to the PPP phosphatase family. PP-1 subfamily.,subcellular location: In prometaphase cells, but not in anaphase cells, localizes at centromeres. During mitosis,

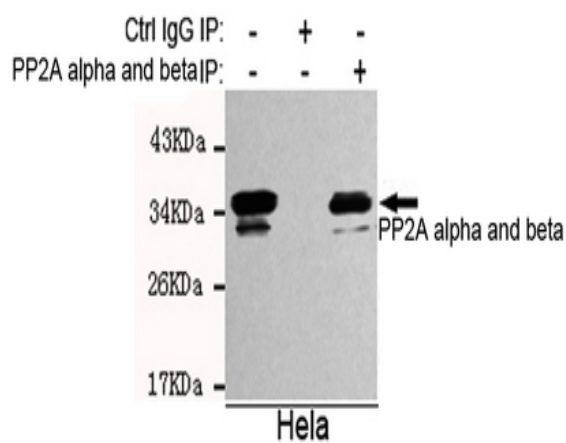
Subcellular Location : Cytoplasm . Nucleus . Chromosome, centromere . Cytoplasm, cytoskeleton, spindle pole . In prometaphase cells, but not in anaphase cells, localizes at centromeres. During mitosis, also found at spindle poles.

Expression : Fibroblast,Heart,Kidney,Liver,

Products Images



Western blot detection of PP2A alpha and beta in HeLa, MCF7, C6 and 3T3 cell lysates using PP2A alpha and beta mouse mAb (1:2000 diluted). Predicted band size: 36KDa. Observed band size: 36KDa.



Immunoprecipitation analysis of HeLa cell lysates using PP2A alpha and beta mouse mAb.