PPP1CB Antibody

E2200423

Catalog Number:	E2200423
Size:	100ug
Host:	Mouse
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Sensitivity:	This antibody detects endogenous levels of PPP1CB and does not cross-react with related proteins.
Entrez summary:	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.
UniPort summary Function:	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.
Immunogen:	Purified recombinant human PPP1CB protein fragments expressed in E.coli.
Antibody Type:	Monoclonal antibody
Isotype:	IgG2a
Purified method:	Affinity purified
Subcellular location:	Cytoplasm. Nucleus
Reactivity:	H,M
Applications:	WB
Molecular Weight:	37kDa
UniProt number:	P62140
GeneBank ID:	NM_206876.1
Gene symbol:	PP-1B; PPP1CD; PP1beta
Alternate names:	protein phosphatase 1, catalytic subunit, beta isozyme;PP-1B;PP1beta;protein phosphatase 1-beta;PPP1CD

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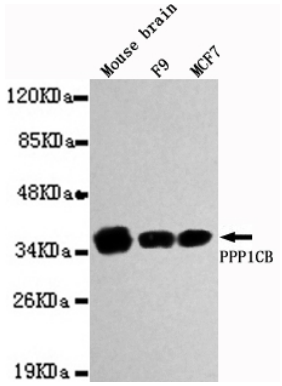

Western blot detection of PPP1CB in Mouse brain,F9&MCF7 cell lysates using PPP1CB antibody (1:1000 diluted). Predicted band size:37KDa. Observed band size:37KDa.