



## Anti-PPP1CB (aa 231-327) polyclonal antibody (DPAB-DC2377)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	PPP1CB (NP_002700, 231 a.a. ~ 327 a.a) partial recombinant protein with GST tag. The sequence is  VSKFLNRHDDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGGMMSVDELMCSFQILKPSEKKAKYQYGGLNSGRPVTPPRTANPPKKR
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

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<b>Gene Name</b>	<a href="#">PPP1CB protein phosphatase 1, catalytic subunit, beta isozyme [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PPP1CB
<b>Synonyms</b>	PPP1CB; protein phosphatase 1, catalytic subunit, beta isozyme; PP1B; PP-1B; PPP1CD; PP1beta; HEL-S-80p; serine/threonine-protein phosphatase PP1-beta catalytic subunit; protein phosphatase 1-beta; protein phosphatase 1-delta; epididymis secretory sperm binding protein Li 80p; protein phosphatase 1, catalytic subunit, beta isoform; protein phosphatase 1, catalytic subunit, delta isoform; serine/threonine protein phosphatase PP1-beta catalytic subunit;
<b>Entrez Gene ID</b>	<a href="#">5500</a>
<b>Protein Refseq</b>	<a href="#">NP_002700</a>
<b>UniProt ID</b>	<a href="#">P62140</a>
<b>Chromosome Location</b>	2p23
<b>Pathway</b>	Adrenergic signaling in cardiomyocytes; Alcoholism; Amphetamine addiction; Cell Cycle.
<b>Function</b>	metal ion binding; myosin phosphatase activity; myosin-light-chain-phosphatase activity; phosphatase activity

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