



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

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

GENE INFORMATION

Gene Name	PPP1CB protein phosphatase 1, catalytic subunit, beta isozyme [Homo sapiens (human)]
Official Symbol	PPP1CB
Synonyms	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;
Entrez Gene ID	5500
Protein Refseq	NP_002700
UniProt ID	P62140
Chromosome Location	2p23
Pathway	Adrenergic signaling in cardiomyocytes; Alcoholism; Amphetamine addiction; Cell Cycle.
Function	metal ion binding; myosin phosphatase activity; myosin-light-chain-phosphatase activity; phosphatase activity