

# PPP1CB polyclonal antibody (A01)

Catalog # H00005500-A01

Size 50 uL

## Applications



Western Blot detection against Immunogen (36.78 KDa) .

## Specification

<b>Product Description</b>	Mouse polyclonal antibody raised against a partial recombinant PPP1CB.
<b>Immunogen</b>	PPP1CB (NP_002700, 231 a.a. ~ 327 a.a) partial recombinant protein with GST tag.
<b>Sequence</b>	VSKFLNRHDLDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGGMMSVDETLMCSFQIL KPSEKKAKYQYGGLNSGRPVTTPRTANPPKKR
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.78 KDa) .
<b>Storage Buffer</b>	50 % glycerol
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — PPP1CB

Entrez GeneID [5500](#)

GeneBank Accession# [NM\\_002709](#)

Protein Accession# [NP\\_002700](#)

Gene Name PPP1CB

Gene Alias MGC3672, PP-1B, PPP1CD

Gene Description protein phosphatase 1, catalytic subunit, beta isoform

Omim ID [600590](#)

Gene Ontology [Hyperlink](#)

**Gene 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. [provided by RefSeq]

**Other Designations** protein phosphatase 1, catalytic subunit, beta|protein phosphatase 1, catalytic subunit, delta isoform|protein phosphatase 1-beta|protein phosphatase 1-delta|serine/threonine protein phosphatase PP1-beta catalytic subunit

## Pathway

- [Focal adhesion](#)
- [Insulin signaling pathway](#)
- [Long-term potentiation](#)
- [Regulation of actin cytoskeleton](#)
- [Vascular smooth muscle contraction](#)

## Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)