

# PPP1CB monoclonal antibody (M02), clone 8A7

Catalog # H00005500-M02

Size 100 ug

## Specification

<b>Product Description</b>	Mouse monoclonal 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. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	VSKFLNRHDLDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGGMMSVDETLMCSEFQIL KPSEKKAKYQYGGLNSGRPVTPPRTANPPKKR
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- ELISA

## Gene Info — PPP1CB

<b>Entrez GeneID</b>	<a href="#">5500</a>
<b>GeneBank Accession#</b>	<a href="#">NM_002709</a>
<b>Protein Accession#</b>	<a href="#">NP_002700</a>
<b>Gene Name</b>	PPP1CB

Gene Alias	MGC3672, PP-1B, PPP1CD
Gene Description	protein phosphatase 1, catalytic subunit, beta isoform
Omim ID	<a href="#">600590</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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]</p>
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](#)