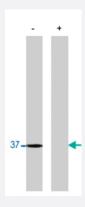


PPP1CB polyclonal antibody

Catalog # PAB10412 Size 100 ug

Applications



Western Blot (Tissue lysate)

PPP1CB polyclonal antibody (Cat # PAB10412) in western blot of total rat brain homogenate. (+) indicates the presence of specific blocking peptide or (-) the presence of control peptide.

| Specification | |
|-------------------------|--|
| Product Description | Rabbit polyclonal antibody raised against synthetic peptide of PPP1CB. |
| Immunogen | A synthetic peptide (conjugated with KLH) corresponding to amino acids 318-327 of PPP1CB. |
| Sequence | PRTANPPKKR |
| Host | Rabbit |
| Reactivity | Bovine, Human, Mouse, Rat |
| Form | Liquid |
| Quality Control Testing | Antibody Reactive Against Synthetic Peptide. |
| Recommend Usage | Western blot (5 to 10 ug/mL) Immunoprecipitation (10 to 15 ug/mL) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In PBS (0.08% sodium azide) |
| Storage Instruction | Store at -20°C. Aliquot to avoid repeated freezing and thawing. |



Product Information

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

Western Blot (Tissue lysate)

PPP1CB polyclonal antibody (Cat # PAB10412) in western blot of total rat brain homogenate. (+) indicates the presence of specific blocking peptide or (-) the presence of control peptide.

Immunoprecipitation

| Gene Info — PPP1CB | |
|--------------------|--|
| Entrez GenelD | <u>5500</u> |
| Gene Name | PPP1CB |
| Gene Alias | MGC3672, PP-1B, PPP1CD |
| Gene Description | protein phosphatase 1, catalytic subunit, beta isoform |
| Omim ID | 600590 |
| Gene Ontology | <u>Hyperlink</u> |
| 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 regulati on of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractili ty, 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 isofo rm 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