



PP4R1 Monoclonal Antibody

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| Catalog No | YP-mAb-06153 |
| Isotype | IgG |
| Reactivity | Human;Mouse;Rat |
| Applications | WB |
| Gene Name | PPP4R1 MEG1 PP4R1 |
| Protein Name | Serine/threonine-protein phosphatase 4 regulatory subunit 1 |
| Immunogen | Synthesized peptide derived from part region of human protein |
| Specificity | PP4R1 Monoclonal Antibody detects endogenous levels of protein. |
| Formulation | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| Source | Monoclonal, Mouse,IgG |
| Purification | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-1:2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | |
| Observed Band | 104kD |
| Cell Pathway | protein phosphatase 4 complex, |
| Tissue Specificity | Widely expressed with high expression in cultured mesangial cells. Isoform 1 and isoform 2 are expressed in renal tissues. |
| Function | function:Regulatory subunit of serine/threonine-protein phosphatase 4. May play a role in regulation of cell division in renal glomeruli. The PPP4C-PPP4R1 PP4 complex may play a role in dephosphorylation and regulation of HDAC3.,similarity:Contains 14 HEAT repeats.,subunit:Serine/threonine-protein phosphatase 4 (PP4) occurs in different assemblies of the catalytic and one or more regulatory subunits. Component of the PP4 complex PPP4C-PPP4R1. Interacts with HDAC3.,tissue specificity:Widely expressed with high expression in cultured mesangial cells. Isoform 1 and isoform 2 are expressed in renal tissues., |
| Background | This gene encodes one of several alternate regulatory subunits of serine/threonine protein phosphatase 4 (PP4). The protein features multiple HEAT repeats. This protein forms a complex with PP4RC. This complex may have a distinct role from other PP4 complexes, including regulation of HDAC3 (Zhang et al., PMID: 15805470). There is also a transcribed pseudogene on chromosome 20. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012], |

**matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images