PP4R1 Polyclonal Antibody

Catalog No	BYab-06153
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
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 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
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.

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