



PP4R1 Polyclonal Antibody

Catalog No	YP-Ab-06153
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	PPP4R1 MEG1 PP4R1
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	MEG1;PP4(Rmeg);PP4R1;PPP4R1;PPP4R1 MEG1 PP4R1;Serine/threonine-protein phosphatase 4 regulatory subunit 1
Observed Band	120-130 kDa
Calculated Molecular Weight	107 kDa
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