

# Immunotag™ PP4R1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1283
Product Description	Immunotag™ PP4R1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PP4R1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PP4R1 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	PPP4R1 MEG1 PP4R1
Accession No.	Q8TF05 Q8K2V1 Q8VI02

## Antibody Specification

Description	protein phosphatase 4 regulatory subunit 1(PPP4R1) Homo sapiens 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],
Protein Expression	Brain,Neuroepithelium,Pituitary,Placenta,
Subcellular Localization	protein phosphatase 4 complex,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.