PP1RA Polyclonal Antibody

Catalog No	YP-Ab-06145
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	PPP1R10 CAT53 FB19 PNUTS
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PP1RA 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	CAT53;FB19;MHC class I region proline-rich protein CAT53;p99;PNUTS;PP1RA; PPP1R10 CAT53 FB19 PNUTS;Serine/threonine-protein phosphatase 1 regulatory subunit 10 (MHC class I region proline-rich protein CAT53) (PP1-binding protein of 114 kDa) (Phosphatase 1 nuclear targeting subunit) (Protein FB19) (
Observed Band	99-110 kDa
Calculated Molecular Weight	940 aa, 99 kDa
Cell Pathway	Nucleus . Found in discrete nucleoplasmic bodies and within nucleoli. Associates with chromatin during interphase, excluded from condensed chromosomes during early mitosis and is reloaded onto chromosomes at the late telophase (By similarity). .
Tissue Specificity	Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
Function	function:Inhibitor of PPP1CA and PPP1CC phosphatase activities. Has inhibitory activity on PPP1CA only when phosphorylated. Binds to mRNA, single-stranded DNA (ssDNA), poly(A) and poly(G) homopolymers.,PTM:Phosphorylated on Ser-398 and Thr-400 by PKA within the region necessary for interaction with PPP1CA.,similarity:Contains 1 C3H1-type zinc finger.,similarity:Contains 1 TFIIS

	N-terminal domain.,subcellular location:Found in discrete nucleoplasmic bodies and within nucleoli.,subunit:Interacts with PPP1CA and PPP1CC.,tissue specificity:Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.,
Background	This gene encodes a protein phosphatase 1 binding protein. The encoded protein plays a role in many cellular processes including cell cycle progression, DNA repair and apoptosis by regulating the activity of protein phosphatase 1. This gene lies within the major histocompatibility complex class I region on chromosome 6, and alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jul 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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