



# PP1RA Monoclonal Antibody

<b>Catalog No</b>	BYmab-06145
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	PPP1R10 CAT53 FB19 PNUTS
<b>Protein Name</b>	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) (
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	PP1RA Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	103kD
<b>Cell Pathway</b>	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). .
<b>Tissue Specificity</b>	Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
<b>Function</b>	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 TFIIIS 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

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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.

## Products Images

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网址: [www.njbybio.com](http://www.njbybio.com)

官方热线: 025-5229-8998

监督电话: 15950492658