

# MYPT1 (Ser668) Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22268a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q14974</a>
<b>Other Accession</b>	<a href="#">Q90623</a> , <a href="#">Q9DBR7</a> , <a href="#">Q10728</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Predicted</b>	Mouse, Rat, Chicken
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB56874
<b>Calculated MW</b>	115281

## Additional Information

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<b>Gene ID</b>	4659
<b>Other Names</b>	Protein phosphatase 1 regulatory subunit 12A, Myosin phosphatase-targeting subunit 1, Myosin phosphatase target subunit 1, Protein phosphatase myosin-binding subunit, PPP1R12A, MBS, MYPT1
<b>Target/Specificity</b>	This MYPT1 (Ser668) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 641-674 amino acids from human MYPT1.
<b>Dilution</b>	WB~~1:4000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	MYPT1 (Ser668) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	PPP1R12A ( <a href="#">HGNC:7618</a> )
<b>Function</b>	Key regulator of protein phosphatase 1C (PPP1C). Mediates binding to myosin. As part of the PPP1C complex, involved in dephosphorylation of

PLK1. Capable of inhibiting HIF1AN-dependent suppression of HIF1A activity.

#### Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton, stress fiber. Note=Also along actomyosin filaments

#### Tissue Location

Expressed in striated muscles, specifically in type 2a fibers (at protein level).

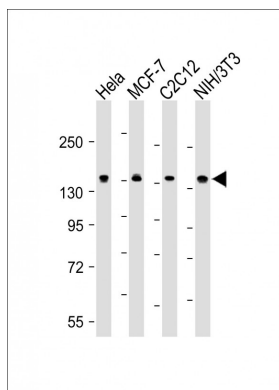
## Background

Key regulator of protein phosphatase 1C (PPP1C). Mediates binding to myosin. As part of the PPP1C complex, involved in dephosphorylation of PLK1. Capable of inhibiting HIF1AN- dependent suppression of HIF1A activity.

## References

Takahashi N.,et al.Genomics 44:150-152(1997).  
Guo J.H.,et al.Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.  
Xia D.,et al.Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Scherer S.E.,et al.Nature 440:346-351(2006).

## Images



All lanes : Anti-MYPT1 (Ser668) Antibody at 1:4000 dilution Lane 1: HeLa whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: C2C12 whole cell lysate Lane 4: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 115 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.