

# MYPT1 (phospho Thr853) Polyclonal Antibody

Catalog # AP67594

### **Specification**

### MYPT1 (phospho Thr853) Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host WB, IHC-P, IF
O14974
Human, Mouse, Rat
Rabbit
Polyclonal

## MYPT1 (phospho Thr853) Polyclonal Antibody - Additional Information

## **Gene ID 4659**

Clonality

### **Other Names**

PPP1R12A; MBS; MYPT1; Protein phosphatase 1 regulatory subunit 12A; Myosin phosphatase-targeting subunit 1; Myosin phosphatase target subunit 1; Protein phosphatase myosin-binding subunit

#### **Dilution**

WB $\sim\sim$ IF: 1:50-200 Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

IHC-P~~N/A

IF $\sim$ IF: 1:50-200 Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

### **Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

## **Storage Conditions**

-20°C

### MYPT1 (phospho Thr853) Polyclonal Antibody - Protein Information

### Name PPP1R12A (HGNC:7618)

### **Function**

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).

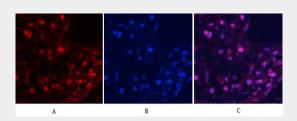


## MYPT1 (phospho Thr853) Polyclonal Antibody - Protocols

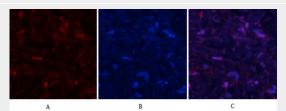
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

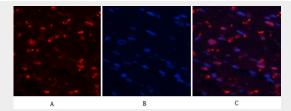
# MYPT1 (phospho Thr853) Polyclonal Antibody - Images



Immunofluorescence analysis of human-lung tissue. 1,MYPT1 (phospho Thr853) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

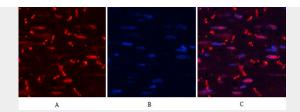


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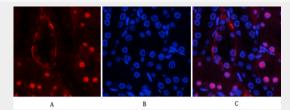


Immunofluorescence analysis of rat-heart tissue. 1,MYPT1 (phospho Thr853) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

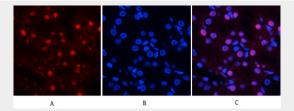




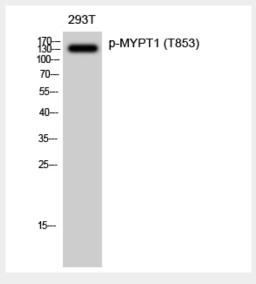
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Immunofluorescence analysis of rat-kidney tissue. 1,MYPT1 (phospho Thr853) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

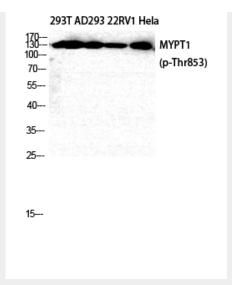


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Western Blot analysis of 293T cells using Phospho-MYPT1 (T853) Polyclonal Antibody diluted at  $1\square 2000$ 





Western Blot analysis of 293T AD293 22RV1 HELA cells using Phospho-MYPT1 (T853) Polyclonal Antibody diluted at  $1\square 2000$ 

# MYPT1 (phospho Thr853) Polyclonal Antibody - Background

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