

MYPT1 Polyclonal Antibody
Catalog # AP71137**Specification**

MYPT1 Polyclonal Antibody - Product Information

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

MYPT1 Polyclonal Antibody - Additional Information**Gene ID** 4659**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~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
IHC-P~~N/A

Format

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

Storage Conditions

-20°C

MYPT1 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

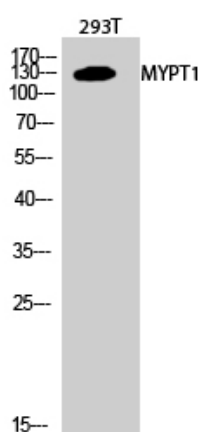
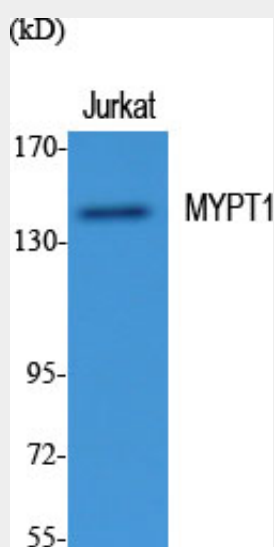
Expressed in striated muscles, specifically in type 2a fibers (at protein level).

MYPT1 Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MYPT1 Polyclonal Antibody - Images



MYPT1 Polyclonal Antibody - Background

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PPP1C complex, involved in dephosphorylation of PLK1. Capable of inhibiting HIF1AN- dependent suppression of HIF1A activity.