10320 Camino Santa Fe, Suite G
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MYPT1 (Thr696) Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22225a

Specification

MYPT1 (Thr696) Antibody - Product Information

Application	**WB,E**
Primary Accession	O14974
Other Accession	Q90623, Q6DRG7, Q9DBR7, Q10728
Reactivity	**Human, Mouse, Rat**
Predicted	**Chicken, Zebrafish**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**115281**

MYPT1 (Thr696) Antibody - Additional Information

Gene ID 4659

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

Target/Specificity
This MYPT1 (Thr696) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 669-702 amino acids from the human MYPT1.

Dilution
WB~~1:2000

Format
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.

Storage
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.

Precautions
MYPT1 (Thr696) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MYPT1 (Thr696) 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

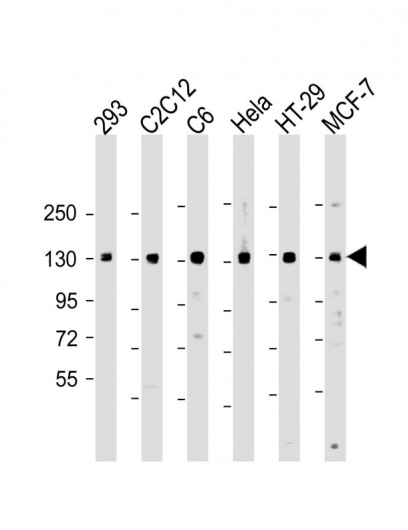
Tissue Location
Expressed in striated muscles, specifically in type 2a fibers (at protein level).

MYPT1 (Thr696) 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 Cytomety
- Cell Culture

MYPT1 (Thr696) Antibody - Images



All lanes : Anti-MYPT Antibody at 1:2000 dilution Lane 1: 293 whole cell lysate Lane 2: C2C12 whole cell lysate Lane 3: C6 whole cell lysate Lane 4: Hela whole cell lysate Lane 5: HT-29 whole cell lysate Lane 6: MCF-7 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.

MYPT1 (Thr696) Antibody - 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.

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MYPT1 (Thr696) Antibody - References

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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).