

Rabbit MYPT1 Polyclonal Antibody | anti-MYPT1 antibody

MYPT1 (Ser668) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290849	Rabbit	Mouse (Predicted: Chicken, Rat)	ELISA, Western Blot

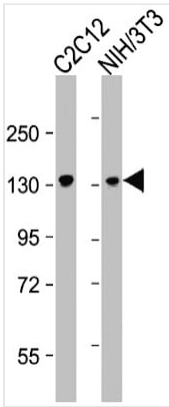
PRODUCT SYNONYMS

MYPT1; Polyclonal Antibody; MYPT1 (Ser668) Antibody; Protein phosphatase 1 regulatory subunit 12A; Myosin phosphatase-targeting subunit 1; Myosin phosphatase target subunit 1; Protein phosphatase myosin-binding subunit; PPP1R12A; MBS; anti-MYPT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse (Predicted: Chicken, Rat)
Clonality	Polyclonal
Isotype	Ig
Specificity	This MYPT1 (Ser668) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 641-674 amino acids from human MYPT1.
Form/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.
Sequence Length	1030
Applicable Applications for anti-MYPT1 antibody	ELISA, WB (Western Blot)
Cellular Location	Cytoplasm. Cytoplasm, Cytoskeleton, Stress Fiber Note=Along actomyosin filaments and stress fibers
Tissue Location	Expressed in striated muscles, specifically in type 2a fibers (at protein level).
Preparation and 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.

IMAGES



WB (Western Blot)
All lanes : Anti-MYPT1 (Ser668) Antibody at 1:4000 dilution
Lane 1: C2C12 whole cell lysate
Lane 2: NIH/3T3 whole cell lysate
Lysates/proteins at 20 ug 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.

ADDITIONAL INFORMATION

Related Product Information for anti-MYPT1 antibody	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.
Product Categories/Family for anti-MYPT1 antibody	Primary Antibodies; Signal Transduction
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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	219842212
NCBI GeneID	4659
NCBI Accession #	NP_001137357.1
NCBI GenBank Nucleotide #	NM_001143885.1
UniProt Accession #	O14974; Q2NKL4; Q569H0; Q86WU3; Q8NFR6; Q9BYH0; B4DZ09; F8VWB4
Molecular Weight	115281
NCBI Official Full Name	protein phosphatase 1 regulatory subunit 12A isoform a
NCBI Official Synonym Full Names	protein phosphatase 1 regulatory subunit 12A
NCBI Official Symbol	PPP1R12A
NCBI Official Synonym Symbols	MBS; M130; MYPT1
NCBI Protein Information	protein phosphatase 1 regulatory subunit 12A
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 12A
UniProt Gene Name	PPP1R12A
UniProt Synonym Gene Names	MBS; MYPT1; Myosin phosphatase target subunit 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

