Product Name: MYPT3 Rabbit Polyclonal Antibody
Catalog #: APRab14356
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:200,ICC/IF 1:50-1:200,ELISA 1:2000-1:20000
Molecular Weight	60kDa

Antigen Information

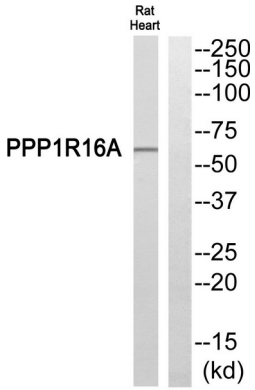
Gene Name	PPP1R16A
Alternative Names	PPP1R16A; MYPT3; Protein phosphatase 1 regulatory subunit 16A; Myosin phosphatase-targeting subunit 3
Gene ID	84988.0
SwissProt ID	Q96I34
Immunogen	The antiserum was produced against synthesized peptide derived from human PPP1R16A. AA range:362-411

Background

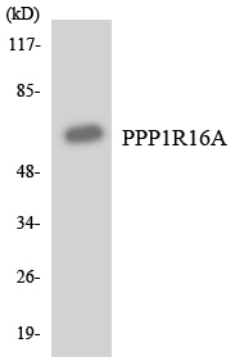
Myosin light chain kinase and phosphatase (MLCP) complexes control the phosphorylation states of regulatory myosin light chains, which is crucial for muscle and intracellular movement. MLCPs typically contain a catalytic protein phosphatase 1 (PP1c) subunit, a myosin phosphatase targeting (MYPT) subunit, and another smaller subunit. The protein encoded by this gene represents an MYPT subunit, which is responsible for directing PP1c to its intended targets. However, while other MYPTs result in PP1c activation after becoming phosphorylated, the encoded protein is phosphorylated by protein kinase A and then inhibits the catalytic activity of PP1c. [provided by RefSeq, Jul 2016],function:Inhibits protein phosphatase 1 activity toward phosphorylase, myosin light chain and myosin substrates.,sequence caution:Cloning artifact.,similarity:Contains 5 ANK repeats.,subunit:Binds PP1.,

Research Area

Image Data



Western blot analysis of PPP1R16A Antibody. The lane on the right is blocked with the PPP1R16A peptide.



Western blot analysis of the lysates from HeLa cells using PPP1R16A antibody.