

MYPT1 (11L9) Rabbit Monoclonal Antibody

Catalog# HZ-YMA00575

Product information

产品货号	HZ-YMA00575
别名	PPP1R12A;MBS;MYPT1;Protein phosphatase 1 regulatory subunit 12A;Myosin phosphatase-targeting subunit 1;Myosin phosphatase target subunit 1;Protein phosphatase myosin-binding subunit
产品名称	MYPT1 (11L9) Rabbit Monoclonal Antibody
类别	抗体产品
基因名称	PPP1R12A
推荐应用	WB,IHC-P,IF-P,IF-F,IF-ICC,IP,ELISA
反应种属	Human
存储缓冲液	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Human Gene ID	4659
Human Swissprot No.	O14974
稀释度	IHC-P 1:200-1:1000, WB 1:2000-1:10000, IF-P/IF-F/IF-ICC 1:200-1:1000, ELISA 1:5000-1:20000, IP 1:50-1:200
参考分子量	140kDa
预测分子量	140kDa
运输及保存条件	Biological ice bag transportation. Store at -20°C for at least 12 months(Do not lower than -25°C). Avoid freeze/thaw cycles
宿主	Rabbit
同种型	IgG,Kappa
背景介绍	Myosin phosphatase target subunit 1, which is also called the myosin-binding subunit of myosin phosphatase, is one of the subunits of myosin phosphatase. Myosin phosphatase regulates the interaction of actin and myosin downstream of the guanosine triphosphatase Rho. The small guanosine triphosphatase Rho is implicated in myosin light chain (MLC) phosphorylation, which results in contraction of smooth muscle and interaction of actin and myosin in nonmuscle cells. The guanosine triphosphate (GTP)-bound, active form of RhoA (GTP.RhoA) specifically interacted with the myosin-binding subunit (MBS) of myosin phosphatase, which regulates the extent of phosphorylation of MLC. Rho-associated kinase (Rho-kinase), which is activated by GTP. RhoA, phosphorylated MBS and consequently inactivated myosin phosphatase. Overexpression of RhoA or activated RhoA in NIH 3T3 cells increased phosphorylation
细胞定位	Cytoplasm
纯化	Protein A
Clonality	Monoclonal