


Anti-Myosin Phosphatase (phospho T853) antibody ab59203

★☆☆☆☆ [1 Abreviews](#) [6 References](#) [2 图像](#)

概述

产品名称	Anti-Myosin Phosphatase (phospho T853)抗体
描述	兔多克隆抗体to Myosin Phosphatase (phospho T853)
宿主	Rabbit
特异性	Detects human Myosin Phosphatase only when phosphorylated at threonine 853 (threonine 852 for mouse and threonine 855 for rat)
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rat 
免疫原	Synthetic peptide corresponding to Human Myosin Phosphatase (phospho T853). (RSTPGV)
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	<p>pH: 7</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride</p> <p>Without Mg+2 and Ca+2</p>
纯度	Immunogen affinity purified
纯化说明	Affinity purified from rabbit antiserum by affinity chromatography using epitope specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
克隆	多克隆

同种型

lgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab59203于以下的经测试应用

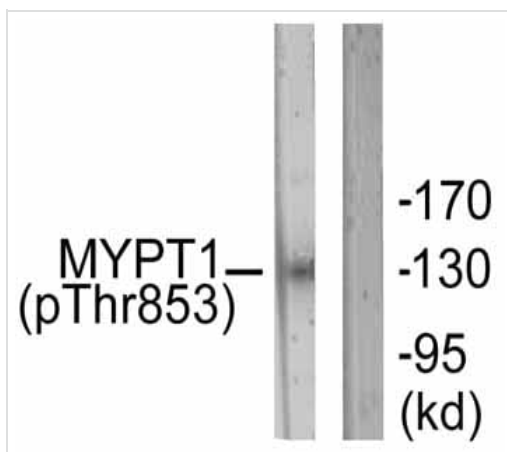
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★☆☆☆☆ (1)	1/500 - 1/1000. Detects a band of approximately 130 kDa (predicted molecular weight: 115 kDa).
IHC-P		Use at an assay dependent concentration.

靶标

功能	Regulates myosin phosphatase activity.
组织特异性	Expressed in striated muscles, specifically in type 2a fibers (at protein level).
序列相似性	Contains 6 ANK repeats.
发展阶段	Induced by 2-fold during pregnancy, including in abdominus rectus muscle.
结构域	Heterotetramerization is mediated by the interaction between a coiled-coil of PRKG1 and the leucine/isoleucine zipper of PPP1R12A/MBS, the myosin-binding subunit of the myosin phosphatase.
翻译后修饰	Phosphorylated by CIT (Rho-associated kinase) (By similarity). Phosphorylated cooperatively by ROCK1 and CDC42BP on Thr-696. Phosphorylated on upon DNA damage, probably by ATM or ATR. In vitro, phosphorylation of Ser-695 by PKA and PKG appears to prevent phosphorylation of the inhibitory site Thr-696, probably mediated by PRKG1.
细胞定位	Cytoplasm. Along actomyosin filaments and stress fibers.

图片



Western blot - Anti-Myosin Phosphatase (phospho T853) antibody (ab59203)

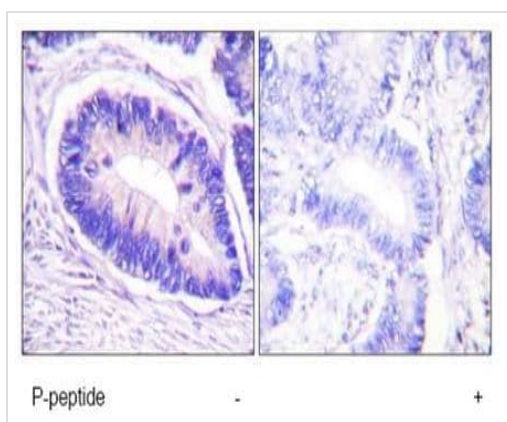
All lanes : Anti-Myosin Phosphatase (phospho T853) antibody (ab59203) at 1/500 dilution

Lane 1 : NIH/3T3 cell extract

Lane 2 : NIH/3T3 cell extract with immunizing phosphopeptide

Predicted band size: 115 kDa

Observed band size: 130 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myosin Phosphatase (phospho T853) antibody (ab59203)

Immunohistochemical analysis of paraffin embedded human colon carcinoma tissue using ab59203 at 1/50 dilution. Samples were treated +/- phosphopeptide.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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