


### Anti-Myosin Phosphatase antibody ab70809

★★★★★ [3 Abreviews](#) [3 References](#) [画像数 2](#)

#### 製品の概要

製品名	Anti-Myosin Phosphatase antibody
製品の詳細	Rabbit polyclonal to Myosin Phosphatase
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IP
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat, Horse, Guinea pig, Cow, Dog, Pig, Chimpanzee, Gorilla, Orangutan 
免疫原	Synthetic peptide corresponding to a region between residue 800 and the C-terminus (residue 842) of human Myosin Phosphatase (NP_002471.1)
ポジティブ・コントロール	Whole cell lysate from HeLa or 293T cells.
特記事項	<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&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

#### アプリケーション

## The Abpromise guarantee

**Abpromise保証は、次のテスト済みアプリケーションにおけるab70809の使用に適用されます**

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (2)	1/2000 - 1/10000. Detects a band of approximately 140 kDa (predicted molecular weight: 115 kDa).
IP	★★★★★ (1)	Use at 2-5 µg/mg of lysate.

## ターゲット情報

機能	Regulates myosin phosphatase activity.
組織特異性	Expressed in striated muscles, specifically in type 2a fibers (at protein level).
配列類似性	Contains 6 ANK repeats.
発生段階	Induced by 2-fold during pregnancy, including in abdominus rectus muscle.
ドメイン	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.
翻訳後修飾	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.
細胞内局在	Cytoplasm. Along actomyosin filaments and stress fibers.

## 画像



**All lanes :** Anti-Myosin Phosphatase antibody (ab70809) at 0.04 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

**Lane 3 :** HeLa whole cell lysate at 5 µg

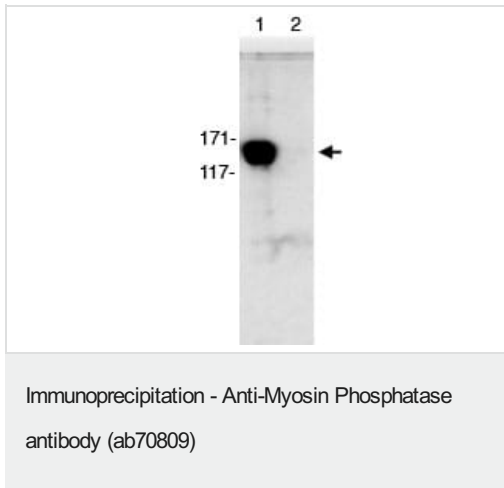
**Lane 4 :** 293T whole cell lysate at 50 µg

Developed using the ECL technique.

**Predicted band size:** 115 kDa

**Observed band size:** 140 kDa

**Exposure time:** 30 seconds



1mg whole lysate from HeLa cells was immunoprecipitated using ab70809 at 3ug/mg of lysate (lane 1) or a control rabbit Ig (lane 2). For the subsequent western blot, 20% of the immunoprecipitate was loaded per lane, and probed with ab70809 at 1ug/ml. Detection: chemiluminescence with exposure time of 10 seconds.

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

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