


Product datasheet

Anti-Myosin Phosphatase antibody ab70806

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	適用あり: IP 適用なし: WB
種交差性	交差種: Human 交差が予測される動物種: Rabbit, Cow, Pig, Rhesus monkey, Gorilla 
免疫原	Synthetic peptide corresponding to a region between residues 400 and 450 of human Myosin Phosphatase (NP_002471.1)
ポジティブ・コントロール	Whole cell lysate from HeLa cells.

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	Preservative: 0.09% Sodium Azide Constituents: 8mM PBS, 60mM Citrate, 150mM Tris, pH 7-8
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

Our [Abpromise guarantee](#) covers the use of **ab70806** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IP		Use at 2-5 µg/mg of lysate.

追加情報 Is unsuitable for WB.

## ターゲット情報

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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.

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