

## 磷酸化肌球蛋白轻链多肽 4 抗体

产品货号： mIR19149

英文名称： phospho-MYL12B (Ser20)

中文名称： 磷酸化肌球蛋白轻链多肽 4 抗体

别名： Mylc2b (phospho S20); p-b (phospho S20); ML12B\_HUMAN; MLC-2; MLC-2a; MLC-B; MLC20; MRLC2; MYL12B; MYLC2B; Myosin light chain 12B regulatory; Myosin regulatory light chain 12B; myosin regulatory light chain 2; Myosin regulatory light chain 2-B; myosin regulatory light chain 2-B, smooth muscle isoform; Myosin regulatory light chain 20 kDa; Myosin regulatory light chain MRLC2; myosin, light chain 12B, regulatory; OTTHUMP00000162244; OTTHUMP00000165806; OTTHUMP00000165807; OTTHUMP00000165808; SHUJUN-1; smooth muscle isoform.

产品类型： 磷酸化抗体

研究领域： 细胞生物 免疫学 信号转导

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Sheep,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 (石蜡切片需做抗原修复)

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 18kDa

**细胞定位：** 细胞浆

**性 状：** Lyophilized or Liquid

**浓 度：** 1mg/ml

**免 疫 原：** KLH conjugated synthesised phosphopeptide derived from human Mylc2b around the phosphorylation site of Ser20:AT(p-S)NV

**亚 型：** IgG

**纯化方法：** affinity purified by Protein A

**储 存 液：** 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**保存条件：** Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

**PubMed：** PubMed

**产品介绍：** The activity of nonmuscle myosin II (see MYH9; MIM 160775) is regulated by phosphorylation of a regulatory light chain, such as MRLC2. This phosphorylation results in higher MgATPase activity and the assembly of myosin II filaments (Iwasaki et al., 2001 [PubMed 11942626]).[supplied by OMIM, Mar 2008]

**Function:**

Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. Phosphorylation triggers actin polymerization in vascular smooth muscle. Implicated in cytokinesis, receptor capping, and cell locomotion.

**Tissue Specificity:**

Ubiquitously expressed in various hematopoietic cells.

**Post-translational modifications:**

Phosphorylation increases the actin-activated myosin ATPase activity and thereby regulates the contractile activity. It is required to generate the driving force in the migration of the cells but not necessary for localization of myosin-2 at the leading edge. Phosphorylation is reduced following epigallocatechin-3-O-gallate treatment.

**Similarity:**

Contains 3 EF-hand domains.

**SWISS:**

P24844

**Gene ID:**

10398

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.