

产品名称: MLC-2 Rabbit Polyclonal Antibody  
产品货号: AP Rab13941



## 产品概述 (Summary)

|                        |                                  |
|------------------------|----------------------------------|
| 产品名称 (Production Name) | MLC-2 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody       |
| 宿主 (Host)              | Rabbit                           |
| 应用 (Application)       | IHC, ICC, IF, ELISA              |
| 种属反应性 (Reactivity)     | Human, Mouse, Rat                |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | MYL12A                                                                                                                                                                                                                                           |
| 别名 (Alternative Names) | MYL12A; MLCB; MRCL3; RLC; Myosin regulatory light chain 12A; MLC-2B; Myosin RLC; Myosin regulatory light chain 2; nonsarcomeric; Myosin regulatory light chain MRCL3; MYL12B; MRCL2; MYLC2B; Myosin regulatory light chain 12B; MLC-2A; MLC-2; M |
| 基因 ID (Gene ID)        | 10398/10627                                                                                                                                                                                                                                      |
| 蛋白 ID (SwissProt ID)   | P19105/O14950/P24844. The antiserum was produced against synthesized peptide derived from human MLC-2. AA range: 5-54                                                                                                                            |

## 产品应用 (Application)

|                      |                                                            |
|----------------------|------------------------------------------------------------|
| 稀释比 (Dilution Ratio) | IHC 1:100-1:300, ICC/IF 1:200-1:1000, ELISA 1:5000-1:10000 |
|----------------------|------------------------------------------------------------|

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#### 蛋白分子量 (Molecular Weight)

#### 研究背景 (Background)

This gene encodes a nonsarcomeric myosin regulatory light chain. This protein is activated by phosphorylation and regulates smooth muscle and non-muscle cell contraction. This protein may also be involved in DNA damage repair by sequestering the transcriptional regulator apoptosis-antagonizing transcription factor (AATF)/Che-1 which functions as a repressor of p53-driven apoptosis. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 8.[provided by RefSeq, Dec 2014],function:Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. Implicated in cytokinesis, receptor capping, and cell locomotion.,miscellaneous:This chain binds calcium.,PTM: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.,similarity:Contains 3 EF-hand domains.,subunit:Myosin is an hexamer of 2 heavy chains and 4 light chains.,

#### 研究领域 (Research Area)

Focal adhesion;Tight junction;Leukocyte transendothelial migration;Regulates Actin and Cytoskeleton;

#### 图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200 (4° overnight) . 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .

#### 注意事项 (Note)

For research use only .