

## MLC-2 Rabbit pAb

CatalogNo: YT2778

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- IHC, IF, ELISA

#### MW

- 20kD (Calculated)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**IHC 1:100-1:300**

**IF 1:200-1:1000**

**ELISA 1:5000**

Not yet tested in other applications.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human MLC-2. AA range:5-54

**Specificity** MLC-2 Polyclonal Antibody detects endogenous levels of MLC-2 protein.

### Target Information

**Gene name** MYL12A

**Protein Name** Myosin regulatory light chain 12A

Organism	Gene ID	UniProt ID
Human	<a href="#">10398</a> ; <a href="#">10627</a> ;	<a href="#">P19105</a> ; <a href="#">O14950</a> ; <a href="#">P24844</a> ;
Mouse	<a href="#">67938</a> ; <a href="#">98932</a> ;	
Rat	<a href="#">50685</a> ; <a href="#">296313</a> ;	<a href="#">P18666</a> ; <a href="#">Q64122</a> ;

**Cellular Localization** stress fiber,cytosol,brush border,myosin complex,myosin II complex,Z disc,apical part of cell,extracellular exosome,

**Tissue specificity** Coronary artery,Epithelium,Placenta,Skeletal muscle,Skin,Testis,

**Function** 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.,

## | Validation Data

## | Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:  
**MLC-2 Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)