

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	10398 ; 10627 ;	P19105 ; O14950 ; P24844 ;
Mouse	67938 ; 98932 ;	
Rat	50685 ; 296313 ;	P18666 ; Q64122 ;

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

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MLC-2 Rabbit pAb

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