

**● Rabbit Anti-Phospho-MYL(Ser19) Polyclonal Antibody**

Primary Antibodies

**Background:**

Myosin light chain (MLC) is a subunit of the conventional myosins (e.g. myosin II). In smooth muscle and non-muscle cells conventional myosins mediate a wide variety of contractile events including cytokinesis, cell motility, and smooth muscle contraction. MLC is phosphorylated by multiple serine-threonine kinases such as Rho-kinase and PAK, however myosin light chain kinase (MLCK) acts as the primary kinase. Contractile activity of conventional myosins is regulated by phosphorylation of MLC on several residues.

**Source/Purification:**

KLH conjugated Synthesised phosphopeptide derived from human MYL2 around the phosphorylation site of Ser19. Was purified by Protein A and peptide affinity chromatography.

**Modification Site:**

Ser19

**Storage:** Prepared as lyophilized powder or liquid and shipped on ice. Store at -20°C for one year.

**Reconstitution:**

If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.

**Size:** 100ul or 100ug lyophilized

**Concentration:** 1ug/uL

**Host:** Rabbit

**Reactivities:**

Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep,

**Application:**

- WB(1:100-500)
- ELISA(1:500-1000)
- IP(1:20-100)
- IHC-P(1:100-500)
- IHC-F(1:100-500)
- IF(1:100-500)
- Not yet tested in other applications. Optimal working dilutions must be determined by the end user.

**Antibody Type:** Polyclonal

**Isotype:** IgG

**Molecular Weight:** 18kDa

**Preservatives:** 10ug/uL BSA and 0.1% NaN<sub>3</sub>.

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.