



Datasheet for ABIN753238  
**anti-MYL9 antibody (pThr19)**



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2 Images

Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | MYL9   |
| Binding Specificity: | pThr19   |
| Reactivity:          | Human, Mouse   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This MYL9 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human MYL9 around the phosphorylation site of Thr19 |
| Isotype:              | IgG  |
| Cross-Reactivity:     | Human, Mouse   |
| Predicted Reactivity: | Rat,Dog,Cow,Sheep,Pig,Rabbit   |
| Purification:         | Purified by Protein A.   |

Target Details

|         |      |
|---------|------|
| Target: | MYL9 |
|---------|------|

## Target Details

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|                   |  |
|-------------------|--|
| Alternative Name: | MYL9 ( <a href="#">MYL9 Products</a> )   |
| Background:       | <p>Synonyms: LC2, MLC2, MRLC1, MYRL2, MLC-2C, Myosin regulatory light polypeptide 9, 2 kDa myosin light chain, Myosin RLC, Myosin regulatory light chain 2, smooth muscle isoform, Myosin regulatory light chain 9, Myosin regulatory light chain MRLC1, MYL9</p> <p>Background: 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.</p> |
| Gene ID:          | 10398  |
| UniProt:          | <a href="#">P24844</a>   |

## Application Details

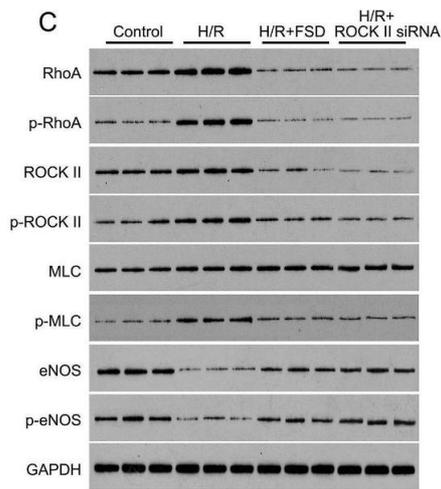
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|                    |  |
|--------------------|--|
| Application Notes: | <p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| Restrictions:      | For Research Use only  |

## Handling

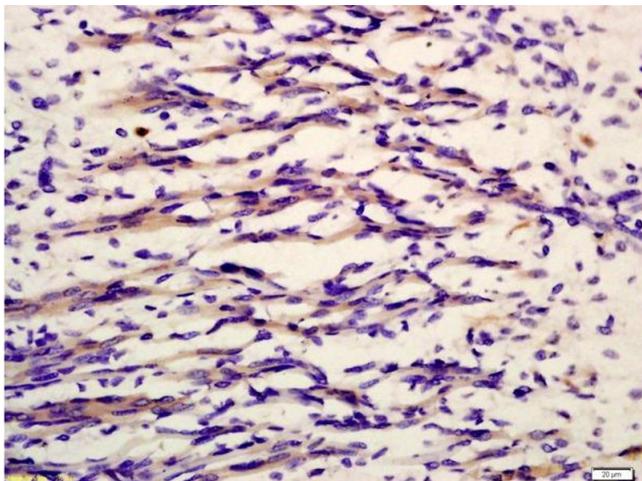
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|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 µg/µL  |
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.  |
| Preservative:      | ProClin  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | 4 °C,-20 °C  |
| Storage Comment:   | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                    |
| Expiry Date:       | 12 months  |



### Western Blotting

**Image 1.** Fasudil protects HUVEC cells from H/R-induced apoptosis(A) MTT was used to determine the IC50 of FSD in HUVEC cells cultured in standard condition. (B) Flow cytometry was used to measure the apoptosis rate in HUVEC cells with indicated treatment. HUVEC cells cultured in standard condition were used as control. (C) Western blot analysis for RhoA, ROCK, MLC, eNOS and their phosphorylated form in HUVEC cells with indicated treatment. The experiments were independently repeated for three times. The experiments were independently repeated three times. Data were expressed as mean  $\pm$  standard error. ANOVA with post hoc Tukey's test was used for statistical analyses. H/R, Hypoxia-reoxygenation, FSD, fasudil. \* $p < 0.05$ , \*\* $p < 0.01$ , \*\*\* $p < 0.001$ . - figure provided by CiteAb. Source: PMID29262624



### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded mouse embryonic muscle labeled with Anti-phospho-MYL9(Thr19) Polyclonal Antibody, Unconjugated (ABIN753238) at 1:200 followed by conjugation to the secondary antibody and DAB staining