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Datasheet for ABIN753238
anti-MYL9 antibody (pThr19)

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
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Target Details

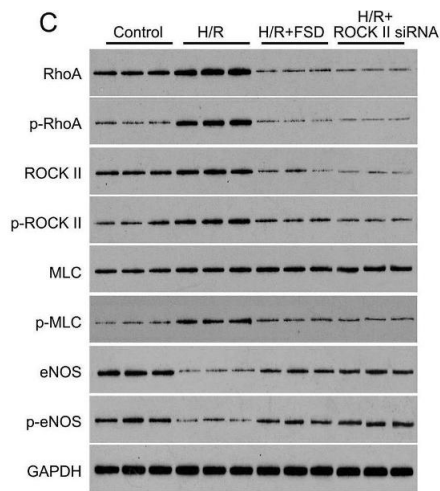
Alternative Name:	MYL9 (MYL9 Products)
Background:	<p>Synonyms: LC2, MLC2, MRLC1, MYRL2, MLC-2C, Myosin regulatory light polypeptide 9, 2 kDa myosin light chain, Myosin RLC, Myosin regulatory light chain 2, smooth muscle isoform, Myosin regulatory light chain 9, Myosin regulatory light chain MRLC1, MYL9</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:	P24844

Application Details

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

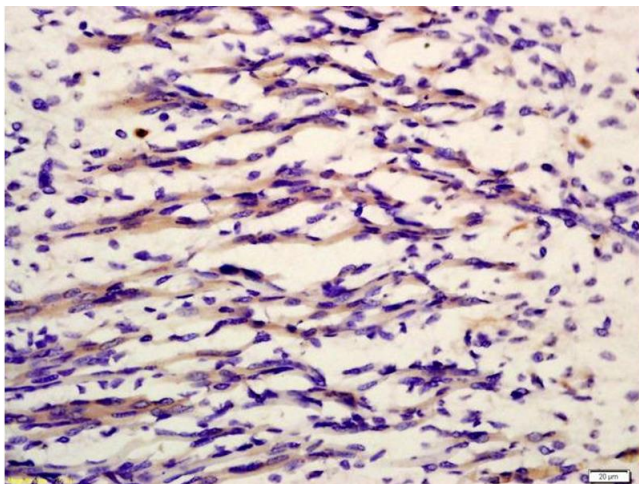
Handling

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