bs-2380R **[Primary Antibody]**

MYL9 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 10398 **SWISS:** P24844

Target: MYL9

Immunogen: KLH conjugated synthetic peptide derived from human MYL9: 2-100/172.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Myosin, a structural component of muscle, consists of two heavy chains and four light chains. The protein encoded by this gene is a myosin light chain that may regulate muscle contraction by modulating the ATPase activity of myosin heads. The encoded protein binds calcium and is activated by myosin light chain kinase. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

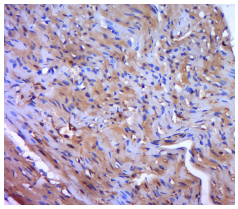
Applications: **IHC-P** (1:100-500)
IHC-F (1:200-1000)
IF (1:200-1000)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog)

Predicted MW.: 20 kDa

Subcellular Location: Cytoskeleton ,Cell membrane

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (rat heart tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MYL9) Polyclonal Antibody, Unconjugated (bs-2380R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

SELECTED CITATIONS

- **[IF=4.192]** Jinwen Yuan. et al. Reparative Effects of Ethanol-Induced Intestinal Barrier Injury by Flavonoid Luteolin via MAPK/NF-κB/MLCK and Nrf2 Signaling Pathways. J Agr Food Chem. 2021;XXXX(XXX):XXX-XXX WB ;Human. 33749262
- **[IF=0.786]** Dong QQ et al. SMYD3-associated pathway is involved in the anti-tumor effects of sulforaphane on gastric carcinoma cells. Food Sci Biotechnol. 2018 Mar 22;27(4):1165-1173. WB ;Human. 30263847