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Myosin Light Chain2
Rabbit Monoclonal antibody(Mab)
Catalog # AD80100

Specification

Myosin Light Chain2 - Product info

Application	**IHC-P**
Primary Accession	P10916
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Monoclonal**
Calculated MW	**18789**

Myosin Light Chain2 - Additional info

Gene ID	**4633**
Gene Name	**MYL2 (HGNC:7583)**

Other Names
Myosin regulatory light chain 2, ventricular/cardiac muscle isoform, MLC-2, Ventricular myosin light chain 2, MYL2 (HGNC:7583)

Dilution
IHC-P~~Ready-to-use

Storage
Maintain refrigerated at 2-8°C

Precautions	**Myosin Light Chain2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

Myosin Light Chain2 - Protein Information

Name MYL2 (HGNC:7583)

Function	**Contractile protein that plays a role in heart development and function (By similarity). Following phosphorylation, plays a role in cross-bridge cycling kinetics and cardiac muscle contraction by increasing myosin lever arm stiffness and promoting myosin head diffusion; as a consequence of the increase in maximum contraction force and calcium sensitivity of contraction force. These events altogether slow down myosin kinetics and prolong duty cycle resulting in accumulated myosins being cooperatively recruited to**

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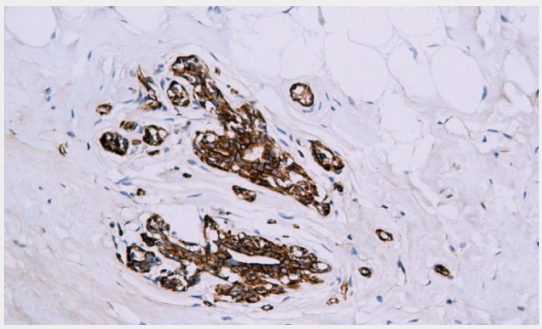
	actin binding sites to sustain thin filament activation as a means to fine-tune myofilament calcium sensitivity to force (By similarity). During cardiogenesis plays an early role in cardiac contractility by promoting cardiac myofibril assembly (By similarity).
Cellular Location	**Cytoplasm, myofibril, sarcomere, A band {ECO:0000250|UniProtKB:P08733}**

Myosin Light Chain2 - Protocols

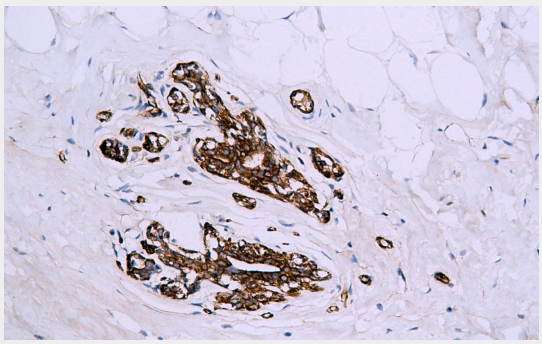
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Myosin Light Chain2 - Images



Normal breast tissues



Immunohistochemical analysis of paraffin-embedded human normal breast tissue using AD80100 performed on the Abcarta® FAIP-30 Fully automated IHC platform.Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH6. 0).Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSeeTM Detection Systems（Abcepta:AR005） was used as the secondary antibody.