

**MYL2 Rabbit mAb**  
**Catalog # AP75768****Specification**

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**MYL2 Rabbit mAb - Product Information**

Application	WB, IHC-P, IP
Primary Accession	<a href="#">P10916</a>
Reactivity	Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	18789

**MYL2 Rabbit mAb - Additional Information****Gene ID** 4633**Other Names**  
MYL2**Dilution**  
WB~~1/500-1/1000  
IHC-P~~N/A  
IP~~N/A**Format**  
Liquid**MYL2 Rabbit mAb - Protein Information****Name** MYL2 ([HGNC:7583](#))**Function**

Contractile protein that plays a role in heart development and function (PubMed:<a href="http://www.uniprot.org/citations/23365102" target="\_blank">23365102</a>, PubMed:<a href="http://www.uniprot.org/citations/32453731" target="\_blank">32453731</a>). 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 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}

**Tissue Location**

Highly expressed in type I muscle fibers.

## MYL2 Rabbit mAb - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## MYL2 Rabbit mAb - Images

