

# MYL6 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18440c

## Product Information

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|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application       | WB, E                                                                                                                                                    |
| Primary Accession | <a href="#">P60660</a>                                                                                                                                   |
| Other Accession   | <a href="#">Q64119</a> , <a href="#">P60662</a> , <a href="#">Q60605</a> , <a href="#">P60661</a> , <a href="#">P14649</a> , <a href="#">NP_066299.2</a> |
| Reactivity        | Human                                                                                                                                                    |
| Predicted         | Bovine, Mouse, Pig, Rat, Canine, Rabbit, Chicken                                                                                                         |
| Host              | Rabbit                                                                                                                                                   |
| Clonality         | Polyclonal                                                                                                                                               |
| Isotype           | Rabbit IgG                                                                                                                                               |
| Clone Names       | RB38602                                                                                                                                                  |
| Calculated MW     | 16930                                                                                                                                                    |
| Antigen Region    | 32-59                                                                                                                                                    |

## Additional Information

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| Gene ID            | 4637                                                                                                                                                                                                        |
| Other Names        | Myosin light polypeptide 6, 17 kDa myosin light chain, LC17, Myosin light chain 3, MLC-3, Myosin light chain alkali 3, Myosin light chain A3, Smooth muscle and nonmuscle myosin light chain alkali 6, MYL6 |
| Target/Specificity | This MYL6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 32-59 amino acids from the Central region of human MYL6.                                             |
| Dilution           | WB~~1:1000 E~~Use at an assay dependent concentration.                                                                                                                                                      |
| Format             | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.                                |
| Storage            | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.                                                                     |
| Precautions        | MYL6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.                                                                                                    |

## Protein Information

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| Name     | MYL6                                                     |
| Function | Regulatory light chain of myosin. Does not bind calcium. |

## Background

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Myosin is a hexameric ATPase cellular motor protein. It is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene encodes a myosin alkali light chain that is expressed in smooth muscle and non-muscle tissues. Genomic sequences representing several pseudogenes have been described and two transcript variants encoding different isoforms have been identified for this gene.

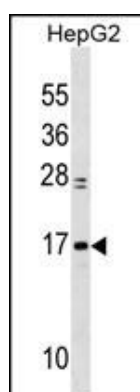
## References

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Lamesch, P., et al. Genomics 89(3):307-315(2007)  
Fu, Z.Y., et al. Acta Biochim. Biophys. Sin. (Shanghai) 38(9):625-632(2006)  
Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005)  
Webb, R.C. Adv Physiol Educ 27 (1-4), 201-206 (2003) :

## Images

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MYL6 Antibody (Center) (Cat. #AP18440c) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the MYL6 Antibody detected the MYL6 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.