



## Rabbit Anti-MYL7 antibody

SL9867R

|                               |   |
|-------------------------------|---|
| <b>Product Name:</b>          | MYL7  |
| <b>Chinese Name:</b>          | 肌球蛋白轻链7抗体   |
| <b>Alias:</b>                 | atrial isoform; MLC-2a; MLC2a; MLRA_HUMAN; MYL2A; MYL7; Mylc2a; Myosin light chain 2a; Myosin light chain 7 regulatory; Myosin light polypeptide 7 regulatory; Myosin regulatory light chain 2; Myosin regulatory light chain 2 atrial isoform; Myosin regulatory light chain 7.  |
| <b>Organism Species:</b>      | Rabbit  |
| <b>Clonality:</b>             | Polyclonal  |
| <b>React Species:</b>         | Human,Mouse,Rat,Dog,Pig,Cow,Horse,  |
| <b>Applications:</b>          | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.   |
| <b>Molecular weight:</b>      | 19kDa   |
| <b>Cellular localization:</b> | cytoplasmic   |
| <b>Form:</b>                  | Lyophilized or Liquid   |
| <b>Concentration:</b>         | 1mg/ml  |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from human MYL7:101-175/175  |
| <b>Lsotype:</b>               | IgG   |
| <b>Purification:</b>          | affinity purified by Protein A  |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.  |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                 |
| <b>PubMed:</b>                | <a href="#">PubMed</a>  |
| <b>Product Detail:</b>        | Encoded by the MYL7 gene, myosin regulatory light chain 7, also designated Myosin regulatory light chain 2, atrial isoform (MLC-2a), is part of a hexameric complex of two heavy chains and four light chains predominantly expressed in adult atrial muscle. Myosin regulatory light chain 7 binds calcium and has been shown to be a useful |

molecular marker for cardiac chamber specification. The co-expression of myosin regulatory light chain 7 and myosin light chain 2 (MLC2v) in the outflow tract and atrioventricular canal, together with the single expression in the atrial (MYL7) and ventricular (MYL2) myo-cardium, permits the delineation of their boundaries. At the amino acid level there is 95% homology between the human and mouse myosin regulatory light chain 7 sequences.

**Subunit:**

Myosin is an hexamer of 2 heavy chains and 4 light chains.

**Tissue Specificity:**

Predominantly expressed in adult atrial muscle.

**Similarity:**

Contains 3 EF-hand domains.

**SWISS:**

Q01449

**Gene ID:**

58498

**Database links:**

[Entrez Gene: 58498](#)Human

[Omim: 612147](#)Human

[SwissProt: Q01449](#)Human

[Unigene: 75636](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.