

## Anti-Myozenin 2 Polyclonal Antibody

## Product Details

|                   |  |
|-------------------|--|
| Ig Type:          | IgG  |
| Reactivity:       | Mouse,Rat (predicted:Human,Dog,Pig,Cow,Horse,Rabbit,Sheep) |
| Molecular Weight: | Theoretical: 30 kDa. Actual: 32 kDa.                       |
| Purification:     | Protein A purified   |

## Applications

|                    |   |
|--------------------|---|
| Sample:            | Lane 1: Mouse Heart tissue lysates<br>Lane 2: Mouse Cerebrum tissue lysates<br>Lane 3: Rat Cerebrum tissue lysates  |
| Verified Activity: | Primary: Anti-Myozenin 2 (TMAB-09190) at 1/1000 dilution<br>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution<br>Predicted band size: 30 kDa<br>Observed band size: 32 kDa |
| Application:       | WB  |
| Recommended        | WB: 1:500-2000  |

## Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

## Antigen Details

|                  |  |
|------------------|--|
| Immunogen:       | KLH conjugated synthetic peptide: human Myozenin 2 |
| Antigen Species: | Human  |
| Gene ID:         | 51778  |
| Uniprot ID:      | Q9NPC6   |

## Research Background

The protein encoded by this gene belongs to a family of sarcomeric proteins that bind to calcineurin, a phosphatase involved in calcium-dependent signal transduction in diverse cell types. These family members tether calcineurin to alpha-actinin at the z-line of the sarcomere of cardiac and skeletal muscle cells, and thus they are important for calcineurin signaling. Mutations in this gene cause cardiomyopathy familial hypertrophic type 16, a hereditary heart disorder. [provided by RefSeq, Aug 2011]

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481