

## Rabbit MYOM2 Polyclonal Antibody | anti-MYOM2 antibody

MYOM2 Rabbit pAb

|                               |                       |                                        |                                     |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA282181</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|

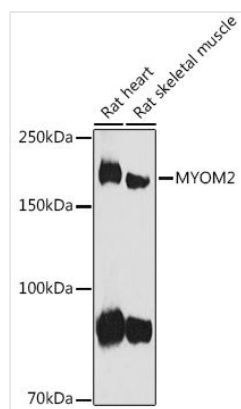
### PRODUCT SYNONYMS

MYOM2; Polyclonal Antibody; MYOM2 Rabbit pAb; TTNAP; anti-MYOM2 antibody

### PRODUCT SPECIFICATIONS

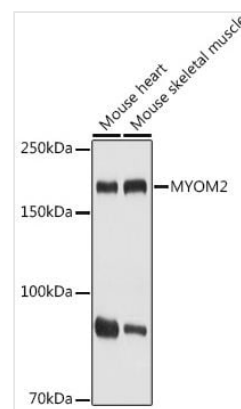
|                                                 |                                                                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                    |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                         |
| Clonality                                       | Polyclonal                                                                                                                                |
| Isotype                                         | IgG                                                                                                                                       |
| Purity/Purification                             | Affinity purification                                                                                                                     |
| Form/Format                                     | Liquid. PBS with 0.02% sodium azide, 50% glycerol, pH7.3                                                                                  |
| Applicable Applications for anti-MYOM2 antibody | WB (Western Blot)                                                                                                                         |
| Immunogen                                       | Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human MYOM2 (NP_003961.3).                         |
| Positive Samples                                | Mouse heart, Mouse skeletal muscle, Rat heart, Rat skeletal muscle                                                                        |
| Research Area                                   | Cell Biology & Developmental Biology Cytoskeleton Motor Proteins<br>Stem Cells Mesenchymal Stem Cells<br>CardiovascularHeartContractility |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                                          |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MYOM2 antibody (AAA282181) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MYOM2 antibody (AAA282181) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MYOM2 antibody | The giant protein titin, together with its associated proteins, interconnects the major structure of sarcomeres, the M bands and Z discs. The C-terminal end of the titin string extends into the M line, where it binds tightly to M-band constituents of apparent molecular masses of 190 kD and 165 kD. The predicted MYOM2 protein contains 1, 465 amino acids. Like MYOM1, MYOM2 has a unique N-terminal domain followed by 12 repeat domains with strong homology to either fibronectin type III or immunoglobulin C2 domains. Protein sequence comparisons suggested that the MYOM2 protein and bovine M protein are identical. |
| Product Categories/Family for anti-MYOM2 antibody   | <a href="#">Catalog Antibodies</a> ; <a href="#">Polyclonal Antibodies</a> ; <a href="#">Primary Antibodies</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 156104903                                                                                                                                                                                                 |
| NCBI GeneID                      | <a href="#">9172</a>                                                                                                                                                                                      |
| NCBI Accession #                 | <a href="#">NP_003961.2</a>                                                                                                                                                                               |
| NCBI GenBank Nucleotide #        | <a href="#">NM_003970.2</a>                                                                                                                                                                               |
| UniProt Accession #              | <a href="#">P54296</a> ; <a href="#">Q7Z3Y2</a>                                                                                                                                                           |
| Molecular Weight                 | 164,896 Da                                                                                                                                                                                                |
| NCBI Official Full Name          | myomesin-2                                                                                                                                                                                                |
| NCBI Official Synonym Full Names | myomesin 2                                                                                                                                                                                                |
| NCBI Official Symbol             | MYOM2                                                                                                                                                                                                     |
| NCBI Official Synonym Symbols    | TTNAP                                                                                                                                                                                                     |
| NCBI Protein Information         | myomesin-2; M-protein; M-band protein; myomesin family member 2; myomesin (M-protein) 2, 165kDa; 165 kDa titin-associated protein; titin-associated protein, 165 kD; 165 kDa connectin-associated protein |
| UniProt Protein Name             | Myomesin-2                                                                                                                                                                                                |
| UniProt Gene Name                | <b>MYOM2</b>                                                                                                                                                                                              |
| UniProt Entry Name               | MYOM2_HUMAN                                                                                                                                                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/myom2-antibody-western-blot-elisa/282181>