

## Rabbit MYH2 Polyclonal Antibody | anti-MYH2 antibody

MYH2 Rabbit Polyclonal Antibody

|                               |                       |                                        |                                                                               |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA313573</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

MYH2; Polyclonal Antibody; MYH2 Rabbit Polyclonal Antibody; IBM3; MYH2A; MYHSA2; MYHas8; MYPOP; MyHC-2A; MyHC-IIa; myosin-2; anti-MYH2 antibody

### PRODUCT SPECIFICATIONS

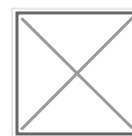
|                                                |                                                                        |
|------------------------------------------------|------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                 |
| Reactivity                                     | Human, Mouse, Rat                                                      |
| Clonality                                      | Polyclonal                                                             |
| Isotype                                        | IgG                                                                    |
| Purity/Purification                            | Affinity purification                                                  |
| Form/Format                                    | Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.              |
| Applicable Applications for anti-MYH2 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                      | A synthetic peptide of human MYH2 (NP_001093582.1).                    |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.                       |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence analysis of mouse skeletal muscle using MYH2 Polyclonal at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MYH2 at 1:1000 dilution.

### ADDITIONAL INFORMATION

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|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MYH2 antibody | Myosins are actin-based motor proteins that function in the generation of mechanical force in eukaryotic cells. Muscle myosins are heterohexamers composed of 2 myosin heavy chains and 2 pairs of nonidentical myosin light chains. This gene encodes a member of the class II or conventional myosin heavy chains, and functions in skeletal muscle contraction. This gene is found in a cluster of myosin heavy chain genes on chromosome 17. A mutation in this gene results in inclusion body myopathy-3. Multiple alternatively spliced variants, encoding the same protein, have been identified. |
| Product Categories/Family for anti-MYH2 antibody   | <a href="#">Primary Antibody</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### NCBI AND UNIPROT INFORMATION

|           |                           |
|-----------|---------------------------|
| NCBI GI # | <a href="#">153792663</a> |
|-----------|---------------------------|

|                                  |                                                                                                                                                                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | 4620                                                                                                                                                                                                                                                           |
| NCBI Accession #                 | NP_060004.3                                                                                                                                                                                                                                                    |
| NCBI GenBank Nucleotide #        | NM_017534.5                                                                                                                                                                                                                                                    |
| UniProt Accession #              | Q9UKX2; Q14322; Q16229; Q86T56; A0AVL4                                                                                                                                                                                                                         |
| Molecular Weight                 | 223,044 Da                                                                                                                                                                                                                                                     |
| NCBI Official Full Name          | myosin-2                                                                                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | myosin, heavy chain 2, skeletal muscle, adult                                                                                                                                                                                                                  |
| NCBI Official Symbol             | MYH2                                                                                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | IBM3; MYH2A; MYHSA2; MYHas8; MyHC-2A; MyHC-IIa                                                                                                                                                                                                                 |
| NCBI Protein Information         | myosin-2; myosin heavy chain 2; myosin heavy chain 2a; myosin heavy chain IIa; fast 2a myosin heavy chain; type IIA myosin heavy chain; myosin heavy chain, skeletal muscle, adult 2; inclusion body myopathy 3, autosomal dominant; myosin, heavy polypeptide |
| UniProt Protein Name             | Myosin-2                                                                                                                                                                                                                                                       |
| UniProt Gene Name                | <b>MYH2</b>                                                                                                                                                                                                                                                    |
| UniProt Synonym Gene Names       | MYHSA2; MyHC-2a; MyHC-IIa                                                                                                                                                                                                                                      |
| UniProt Entry Name               | MYH2_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/myh2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/313573>