# ARG46709
# anti-MYH2 antibody [32M67]

Package: 50 µg
Store at: -20°C

## Summary

| | |
|---|---|
| Product Description | Rabbit Monoclonal antibody [32M67] recognizes MYH2 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | WB |
| Host | Rabbit |
| Clonality | Monoclonal |
| Clone | 32M67 |
| Isotype | IgG |
| Target Name | MYH2 |
| Species | Human |
| Immunogen | Synthetic peptide of human MYH2. |
| Conjugation | Un-conjugated |
| Alternate Names | MYH2; Myosin Heavy Chain 2; MyHC-IIa; MYHSA2; MyHC-2A; MYHas8; MYH2A; Myosin, Heavy Polypeptide 2, Skeletal Muscle, Adult; Inclusion Body Myopathy 3, Autosomal Dominant; Myosin Heavy Chain, Skeletal Muscle, Adult 2; Myosin Heavy Chain IIa; Myosin Heavy Chain 2a; Myosin-2; IBM3; Myosin, Heavy Chain 2, Skeletal Muscle, Adult; Type IIA Myosin Heavy Chain; Fast 2a Myosin Heavy Chain; EC 4.2.1.33 47; EC 2.3.2 47; MyHC-2a; CMYO6; CMYP6; MYPOP |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| WB | 1:500 - 1:2000 |

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

## Properties

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| Form | Liquid |
| Purification | Affinity chromatography purified |
| Buffer | PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol and 0.4-0.5 mg/ml BSA. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% glycerol and 0.4-0.5 mg/ml BSA |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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|---|---|
| Gene Symbol | MYH2 |
| Gene Full Name | Myosin Heavy Chain 2 |
| Background | 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. [provided by RefSeq, Sep 2009] |
| Function | Myosins are actin-based motor molecules with ATPase activity essential for muscle contraction. [UniProt] |
| Calculated Mw | 223 kDa |
| PTM | Methylation; Phosphoprotein. [UniProt] |
| Cellular Localization | Cellular component; Cytoplasm; Thick filament. [UniProt] |