

## ARG46709 anti-MYH2 antibody [32M67]

Package: 50 µl  
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

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]