

# MYH2 Rabbit Polyclonal Antibody

Catalog No: #54013



Package Size: #54013-1 50ul #54013-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

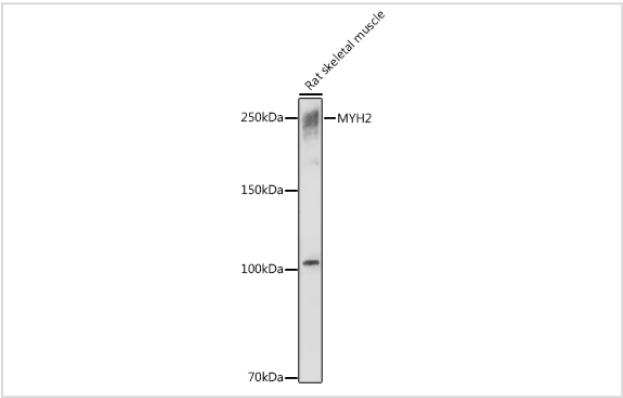
## Description

Product Name	MYH2 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB;IF/ICC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	A synthetic peptide of human MYH2 (NP_001093582.1).
Conjugates	Unconjugated
Other Names	MYH2;IBM3;MYH2A;MYHSA2;MYHas8;MYPOP;MyHC-2A;MyHC-IIa;myosin-2
Accession No.	Swiss Prot:Q9UKX2GeneID:4620
Calculated MW	223 kDa
SDS-PAGE MW	250 kDa
Formulation	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

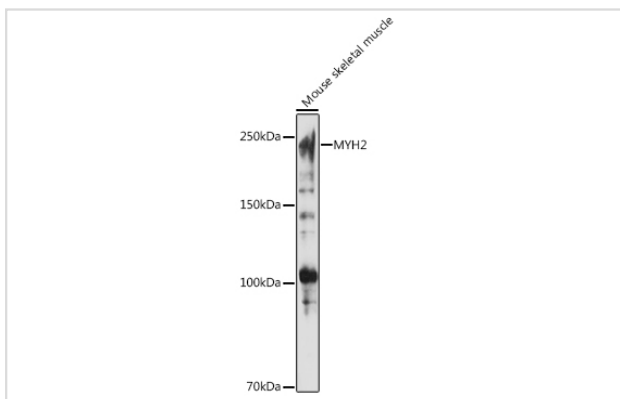
## Application Details

WB 1:500-1:1000; IF 1:50-1:200

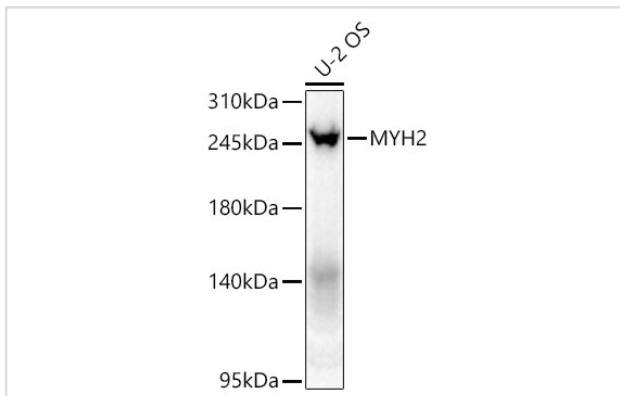
## Images



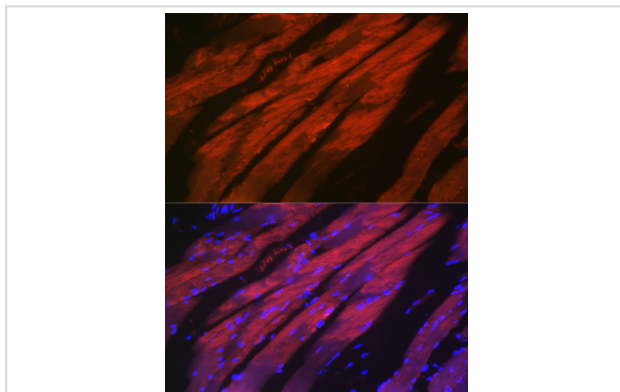
Western blot analysis of lysates from Rat skeletal muscle, using MYH2 at 1:1000 dilution



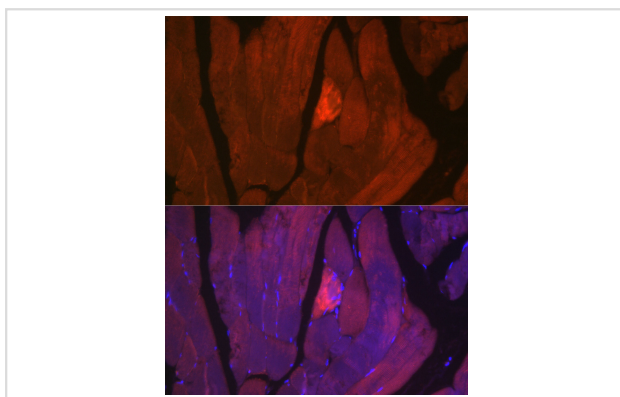
Western blot analysis of lysates from Mouse skeletal muscle, using MYH2 at 1:1000 dilution.



Western blot analysis of lysates from U-2 OS cells using MYH2 at 1:1000 dilution



Immunofluorescence analysis of paraffin-embedded mouse skeletal muscle using MYH2 at dilution of 1:50 (40x lens).



Immunofluorescence analysis of paraffin-embedded rat skeletal muscle using MYH2 at dilution of 1:50 (40x lens).

## 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.

## Published Papers

el at., GLP-1RA Liraglutide and Semaglutide Improves Obesity-Induced Muscle Atrophy via SIRT1 PathwayInDiabetes Metab Syndr ObesOn2023 Aug 15byJie Xiang?1,?Liyan Qin et al..PMID: 37602204, , (2023)

[PMID:37602204](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.