

Datasheet for ABIN1539139
anti-MYH7 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	MYH7
Binding Specificity:	AA 185-211, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYH7 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This MYH7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 185-211 amino acids from the N-terminal region of human MYH7.
Clone:	RB37906
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MYH7
Alternative Name:	MYH7 (MYH7 Products)
Background:	Muscle myosin is a hexameric protein containing 2 heavy chain subunits, 2 alkali light chain

Target Details

subunits, and 2 regulatory light chain subunits. This gene encodes the beta (or slow) heavy chain subunit of cardiac myosin. It is expressed predominantly in normal human ventricle. It is also expressed in skeletal muscle tissues rich in slow-twitch type I muscle fibers. Changes in the relative abundance of this protein and the alpha (or fast) heavy subunit of cardiac myosin correlate with the contractile velocity of cardiac muscle. Its expression is also altered during thyroid hormone depletion and hemodynamic overloading. Mutations in this gene are associated with familial hypertrophic cardiomyopathy, myosin storage myopathy, dilated cardiomyopathy, and Laing early-onset distal myopathy.

Molecular Weight: 223097

Gene ID: 4625

NCBI Accession: [NP_000248](#)

UniProt: [P12883](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

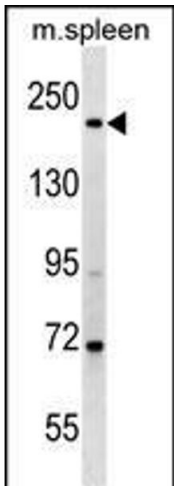
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

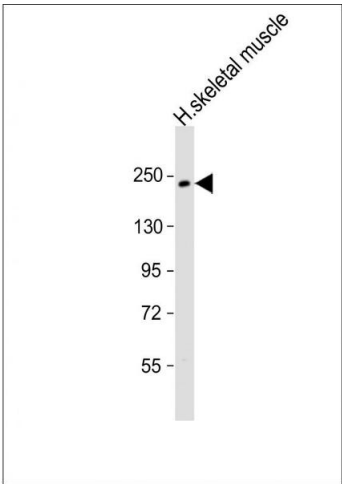
Storage Comment: MYH7 Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Expiry Date: 6 months



Western Blotting

Image 1. MYH7 Antibody (N-term) (ABIN1539139 and ABIN2849216) western blot analysis in mouse spleen tissue lysates (35 µg/lane). This demonstrates the MYH7 antibody detected the MYH7 protein (arrow).



Western Blotting

Image 2. Anti-MYH7 Antibody (N-term) at 1:1000 dilution + human skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 223 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.