

Datasheet for ABIN656575
anti-MYOD1 antibody (AA 211-240)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	MYOD1
Binding Specificity:	AA 211-240
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYOD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This MyoD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 211-240 amino acids from the Central region of human MyoD1.
Clone:	RB18817
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MYOD1
Alternative Name:	MyoD1 (MYOD1 Products)
Background:	This gene encodes a nuclear protein that belongs to the basic helix-loop-helix family of

Target Details

transcription factors and the myogenic factors subfamily. It regulates muscle cell differentiation by inducing cell cycle arrest, a prerequisite for myogenic initiation. The protein is also involved in muscle regeneration. It activates its own transcription which may stabilize commitment to myogenesis.

Molecular Weight: 34501

Gene ID: 4654

NCBI Accession: [NP_002469](#)

UniProt: [P15172](#)

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: IF: 1:25. WB: 1:4000

Restrictions: For Research Use only

Handling

Format: Liquid

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

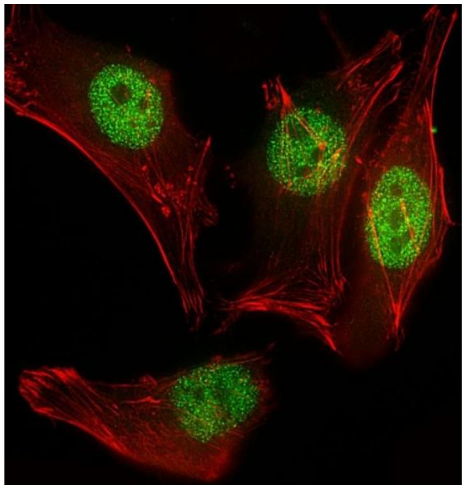
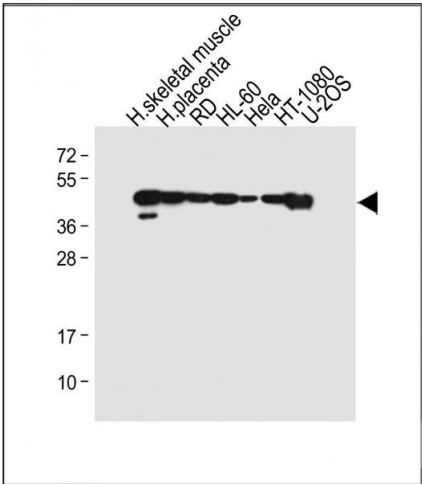
Preservative: Sodium azide

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: MyoD1 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



Western Blotting

Image 1. All lanes : Anti-MyoD1 Antibody (Center) at 1:4000 dilution Lane 1: Human skeletal muscle tissue lysate Lane 2: Human placenta tissue lysate Lane 3: RD whole cell lysate Lane 4: HL-60 whole cell lysate Lane 5: Hela whole cell lysate Lane 6: HT-1080 whole cell lysate Lane 7: U-2OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 35 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Immunofluorescence

Image 2. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized Hela cells labeling MYOD1 with C at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-Rabbit IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing Nucleus staining on Hela cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin(red). The nuclear counter stain is DI (blue).