



Datasheet for ABIN1513236
anti-MYOD1 antibody (AA 150-250)



[Go to Product page](#)

4 Images

3 Publications

Overview

Quantity:	100 µg
Target:	MYOD1
Binding Specificity:	AA 150-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYOD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 150-250 of human MYOD1 (NP_002469.2).
Sequence:	LRNAIRYIEG LQALLRDQDA APPGAAAFY APGPLPPGRG GEHYSGSDA SSPRSNCS DG MMDYSGPPSG ARRRNCYEGA YYNEAPSEPR PGKSAAVSSL D
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	MYOD1
---------	-------

Target Details

Alternative Name:	MYOD1 (MYOD1 Products)
Background:	This gene encodes a nuclear protein that belongs to the basic helix-loop-helix family of 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.,MYOD1,MYF3,MYOD,PUM,bHLHc1,Epigenetics & Nuclear Signaling,Transcription Factors,Cell Biology & Developmental Biology,Stem Cells,MYOD1
Molecular Weight:	34 kDa
Gene ID:	4654
UniProt:	P15172
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB,1:500 - 1:1000,IF,1:20 - 1:50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

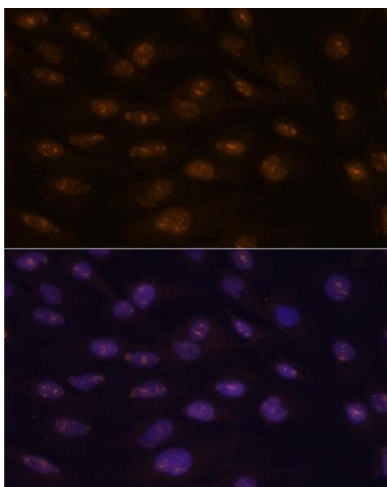
Publications

Product cited in:	Wan, Wang, Xiong, Xiang, Li, Wang, Liu, Niu, Peng, Jiang, Chai: "Elucidating a molecular mechanism that the deterioration of porcine meat quality responds to increased cortisol based on transcriptome sequencing." in: Scientific reports , Vol. 6, pp. 36589, (2018) (PubMed).
-------------------	--

Ding, Swennen, Messmer, Gagliardi, Molin, Li, Zhou, Post: "Maintaining bovine satellite cells stemness through p38 pathway." in: **Scientific reports**, Vol. 8, Issue 1, pp. 10808, (2018) ([PubMed](#)).

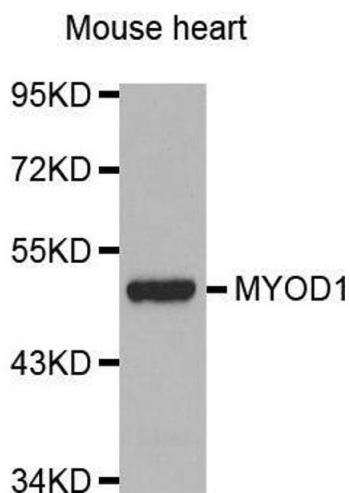
Ding, Wang, Liu, Li, Zhou, Hu: "Characterization and isolation of highly purified porcine satellite cells." in: **Cell death discovery**, Vol. 3, pp. 17003, (2017) ([PubMed](#)).

Images



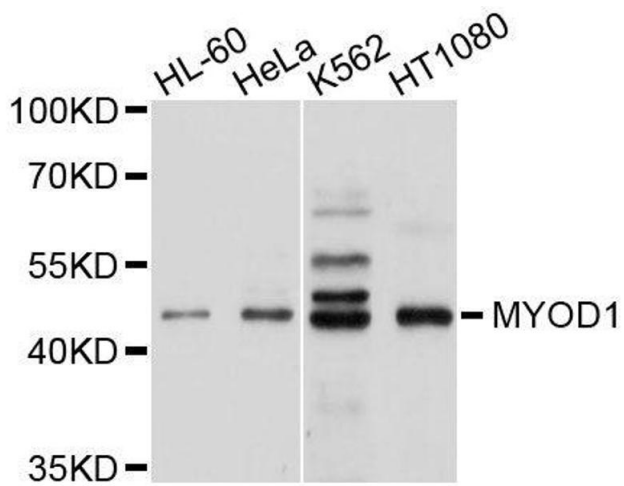
Immunofluorescence

Image 1. Immunofluorescence analysis of C6 cells using MyoD1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using MYOD1 antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1513236.