

Datasheet for ABIN7138470
anti-MYOD1 antibody (pSer200)



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1 Image

Overview

Quantity:	100 µL
Target:	MYOD1
Binding Specificity:	pSer200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYOD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 200 (A-S-S(p)-P-R) derived from Human MyoD.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	MYOD1
Alternative Name:	MYOD1 (MYOD1 Products)

Target Details

Background: Background: MyoD encodes a nuclear protein that belongs to the basic helix-loop-helix family of transcription factors and themyogenic factors subfamily. It regulates muscle cell differentiation by inducing cell cycle arrest, a prerequisite formyogenic initiation. The protein is also involved in muscle regeneration. It activates its own transcription which may stabilize commitment to myogenesis.

Emmanuel G, et al. J. Biol. Chem., Jun 2000, 275: 18767 - 18776

Tintignac LA, et al. Mol Cell Biol. 2004 Feb, 24(4): 1809-1821.

Kitzmann M, et a. Mol Cell Biol. 1999 Apr, 19(4): 3167-3176.

Aliases: bHLHc1 antibody, Class C basic helix-loop-helix protein 1 antibody, MYF 3 antibody, Myf-3 antibody, MYF3 antibody, Myoblast determination protein 1 antibody, Myod 1 antibody, MYOD antibody, MYOD1 antibody, MYOD1_HUMAN antibody, Myogenic differentiation 1 antibody, Myogenic factor 3 antibody, Myogenic factor MYF 3 antibody, Myogenin D1 antibody, PUM antibody

UniProt: [P15172](#)

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

Application Details

Application Notes: WB:1:500-1:1000,

Restrictions: For Research Use only

Handling

Format: Liquid

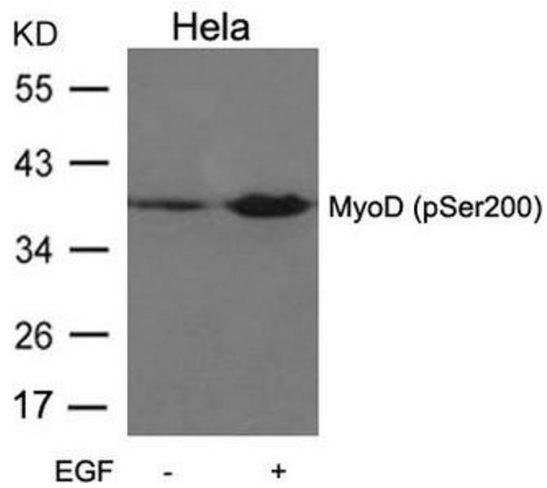
Buffer: Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot analysis of extracts from HeLa cells untreated or treated with EGF using MyoD(Phospho-Ser200) Antibody.