

Anti-MYOD1 (pS200) Antibody

Rabbit polyclonal antibody to MYOD1 (pS200)

Catalog # AP61142

Product Information

Application	WB, IHC
Primary Accession	P15172
Other Accession	P10085
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Bovine, SARS
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34501

Additional Information

Gene ID	4654
Other Names	BHLHC1; MYF3; MYOD; Myoblast determination protein 1; Class C basic helix-loop-helix protein 1; bHLHc1; Myogenic factor 3; Myf-3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MYOD1 (pS200). The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

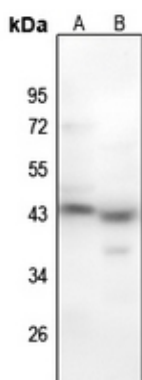
Protein Information

Name	MYOD1
Synonyms	BHLHC1, MYF3, MYOD
Function	Acts as a transcriptional activator that promotes transcription of muscle-specific target genes and plays a role in muscle differentiation. Together with MYF5 and MYOG, co-occupies muscle-specific gene promoter core region during myogenesis. Induces fibroblasts to differentiate into myoblasts. Interacts with and is inhibited by the twist protein. This interaction probably involves the basic domains of both proteins (By similarity).
Cellular Location	Nucleus.

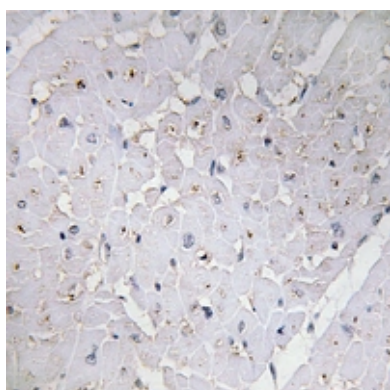
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MYOD1 (pS200). The exact sequence is proprietary.

Images



Western blot analysis of MYOD1 (pS200) expression in EC9706 (A), mouse muscle (B) whole cell lysates.



Immunohistochemical analysis of MYOD1 (pS200) staining in human heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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