

**Anti-MYOD1 (pS200) Antibody**  
Rabbit polyclonal antibody to MYOD1 (pS200)  
Catalog # AP61142

## Specification

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### Anti-MYOD1 (pS200) Antibody - Product Information

Application	WB
Primary Accession	<a href="#">P15172</a>
Other Accession	<a href="#">P10085</a>
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Bovine, SARS
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34501

### Anti-MYOD1 (pS200) Antibody - 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

Recognizes endogenous levels of MYOD1 (pS200) protein.

#### Dilution

WB~~WB (1/500 - 1/1000), IH (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

### Anti-MYOD1 (pS200) Antibody - 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

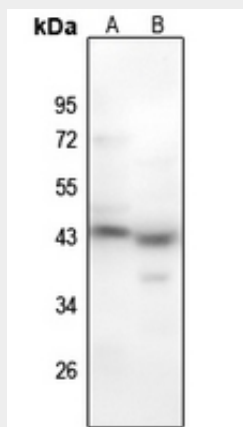
Nucleus.

## Anti-MYOD1 (pS200) Antibody - Protocols

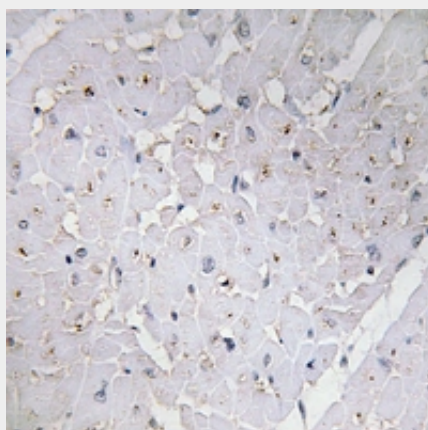
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-MYOD1 (pS200) Antibody - 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.

**Anti-MYOD1 (pS200) Antibody - Background**

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