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# Anti-MYOD1 (pS200) Antibody

Rabbit polyclonal antibody to MYOD1 (pS200)
Catalog # AP61142

## Product Information

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|---|---|
| **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

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|---|---|
| **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), 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

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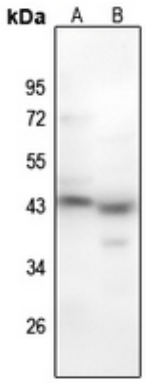
|---|---|
| **Name** | MYOD1 |
| **Synonyms** | BHLHC1, MYF3, MYOD |
| **Function** | Acts as a transcriptional activator that promotes transcription of muscle-specific target genes and plays a role in muscle differentiation. Together with MYF5 and MYOG, co-occupies muscle-specific gene promoter core 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. |

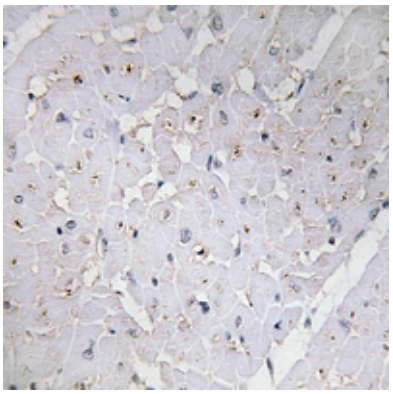
## Background

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.