

MyoD Polyclonal Antibody

Catalog # AP73728

Specification

MyoD Polyclonal Antibody - Product Information

Application WB, IHC-P Primary Accession P15172

Reactivity Human, Mouse, Rat Host Rabbit

Host Rabbit Clonality Polyclonal

MyoD Polyclonal Antibody - Additional Information

Gene ID 4654

Other Names

MYOD1; BHLHC1; MYF3; MYOD; Myoblast determination protein 1; Class C basic helix-loop-helix protein 1; bHLHc1; Myogenic factor 3; Myf-3

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~ \sim N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

MyoD Polyclonal 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.

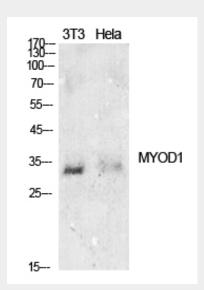


MyoD Polyclonal Antibody - Protocols

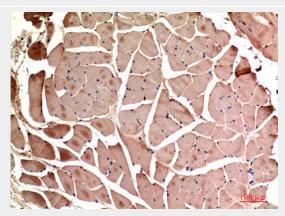
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

MyoD Polyclonal Antibody - Images

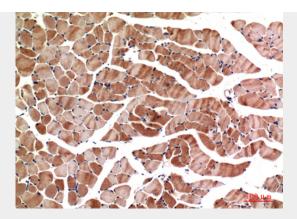


Western Blot analysis of NIH-3T3, Hela cells using MyoD Polyclonal Antibody.. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Immunohistochemical analysis of paraffin-embedded rat-muscle, antibody was diluted at 1:100





Immunohistochemical analysis of paraffin-embedded mouse-muscle, antibody was diluted at 1:100

MyoD Polyclonal Antibody - Background

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