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Rabbit Anti-MyoD1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP52107

Specification

Rabbit Anti-MyoD1 Polyclonal Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	P10085
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**34233**

Rabbit Anti-MyoD1 Polyclonal Antibody - Additional Information

Gene ID 17927

Other Names
MYF3; MyoD; Myod-1; bHLHc1; AI53393; Myoblast determination protein 1; Myod1

Dilution
WB~~1:100~1:500<br \>IHC-P~~1:100~1:500

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

Rabbit Anti-MyoD1 Polyclonal Antibody - Protein Information

Name Myod1

Synonyms Myod

Function
Acts as a transcriptional activator that promotes transcription of muscle-specific target genes and plays a role in muscle differentiation (PubMed:16901893). 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 (PubMed:21798092, PubMed:3175662).

Cellular Location

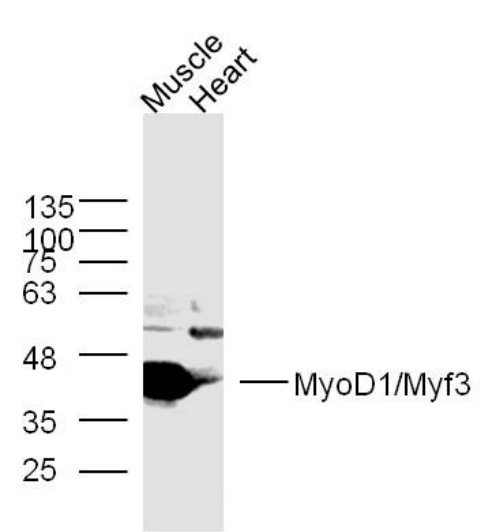
Nucleus.

Rabbit Anti-MyoD1 Polyclonal Antibody - Protocols

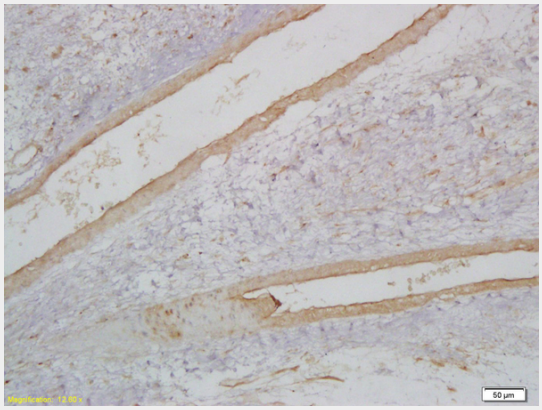
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Rabbit Anti-MyoD1 Polyclonal Antibody - Images



Lane 1: mouse muscle lysates; Lane 2: mouse heart lysates probed with MyoD1 Polyclonal Antibody, Unconjugated (AP52107) at 1:300 overnight at 4˚C. Followed by a conjugated secondary antibody at 1:5000 for 90 min at 37˚C.



Formalin-fixed and paraffin embedded rat embryonic rhabdomyoma labeled with Anti-MyoD1/Myf3 Polyclonal Antibody, Unconjugated (AP52107) at 1:200 followed by conjugation to the secondary antibody

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Rabbit Anti-MyoD1 Polyclonal Antibody - Background

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.