10320 Camino Santa Fe, Suite G
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MyoD Antibody
Rabbit mAb
Catalog # AP92067

Specification

MyoD Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P15172
Clonality	**Monoclonal**

Other Names
Class C basic helix-loop-helix protein 1; MYF3; Myod 1; MYOD1; Myogenic differentiation 1; PUM;

Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**34501 Da**

MyoD Antibody - Additional Information

Dilution	**WB~~1:1000** **IHC~~1:100~500**
Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human MyoD**
Description	**Involved in muscle differentiation (myogenic factor). Induces fibroblasts to differentiate into myoblasts. Activates muscle-specific promoters. Interacts with and is inhibited by the twist protein. This interaction probably involves the basic domains of both proteins.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

MyoD 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).

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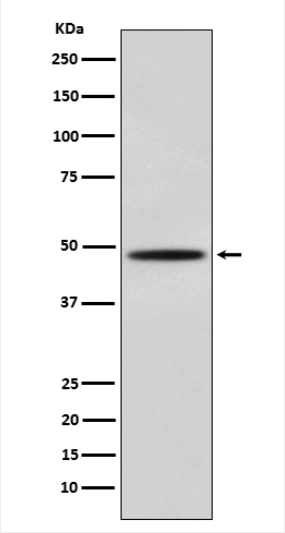
Cellular Location
Nucleus.

MyoD 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

MyoD Antibody - Images



Western blot analysis of MyoD expression in HeLa cell lysate.