

**MyoD1 Antibody**  
**Rabbit mAb**  
**Catalog # AP91167****Specification**

---

**MyoD1 Antibody - Product Information**

Application	<b>WB, FC, IP</b>
Primary Accession	<a href="#">P15172</a>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
Class C basic helix-loop-helix protein 1; MYF3; Myod 1; MYOD1; Myogenic differentiation 1; PUM;	
Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>34501 Da</b>

**MyoD1 Antibody - Additional Information**

Dilution	<b>WB~~1:1000</b> <b>FC~~1:10~50</b> <b>IP~~N/A</b>
Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human MyoD1</b>
Description	<b>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.</b>
Storage Condition and Buffer	<b>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.</b>

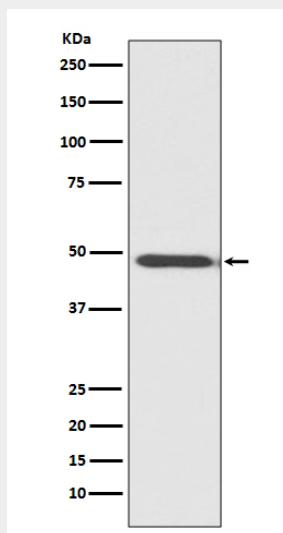
**MyoD1 Antibody - Protein Information****Name** MYOD1**Synonyms** BHLHC1, MYF3, MYOD**Function**

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.**MyoD1 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](#)

**MyoD1 Antibody - Images**

Western blot analysis of MyoD1 expression in HeLa cell lysate.