

# Anti-MyoD Rabbit Monoclonal Antibody

Catalog # ABO15505

## Product Information

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|--------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC                                                                                                 |
| <b>Primary Accession</b> | <a href="#">P15172</a>                                                                                  |
| <b>Host</b>              | Rabbit                                                                                                  |
| <b>Isotype</b>           | IgG                                                                                                     |
| <b>Reactivity</b>        | Human                                                                                                   |
| <b>Clonality</b>         | Monoclonal                                                                                              |
| <b>Format</b>            | Liquid                                                                                                  |
| <b>Description</b>       | Anti-MyoD Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human. |

## Additional Information

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 4654                                                                                                                                       |
| <b>Other Names</b>         | Myoblast determination protein 1, Class C basic helix-loop-helix protein 1, bHLHC1, Myogenic factor 3, Myf-3, MYOD1, BHLHC1, MYF3, MYOD    |
| <b>Calculated MW</b>       | 34501                                                                                                                                      |
| <b>Application Details</b> | WB 1:500-1:1000<br>IHC 1:50-1:200                                                                                                          |
| <b>Source</b>              | Eukaryota                                                                                                                                  |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>         | Clone: 20M81                                                                                                                               |
| <b>Immunogen</b>           | A synthesized peptide derived from human MyoD                                                                                              |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>             | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

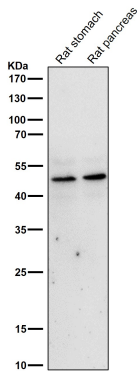
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|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>     | MYOD1                                                                                                                                       |
| <b>Synonyms</b> | BHLHC1, MYF3, MYOD                                                                                                                          |
| <b>Function</b> | Acts as a transcriptional activator that promotes transcription of muscle-specific target genes and plays a role in muscle differentiation. |

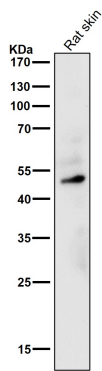
Together with MYF5 and MYOG, co-occupies muscle-specific gene promoter core region during myogenesis. Induces fibroblasts to differentiate into myoblasts. Interacts with and is inhibited by the twist protein. This interaction probably involves the basic domains of both proteins (By similarity).

**Cellular Location** Nucleus.

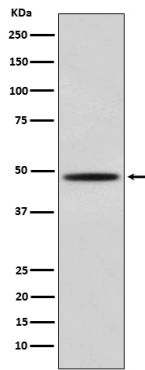
Images



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of MyoD expression in HeLa cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.