

## Anti-MyoD1/Myod Rabbit Monoclonal Antibody

**Catalog # ABO13762** 

# **Specification**

## Anti-MyoD1/Myod Rabbit Monoclonal Antibody - Product Information

Application WB, IP, FC
Primary Accession P15172
Host Rabbit
Isotype Reactivity Human
Clonality Monoclonal
Format Liquid

**Description** 

Anti-MyoD1/Myod Rabbit Monoclonal Antibody . Tested in WB, IP, Flow Cytometry applications. This antibody reacts with Human.

## Anti-MyoD1/Myod Rabbit Monoclonal Antibody - Additional Information

**Gene ID 4654** 

### **Other Names**

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

Calculated MW 34501 MW KDa

**Application Details** 

WB 1:500-1:2000<br>IP 1:50<br>FC 1:50

**Subcellular Localization** 

Nucleus.

#### **Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### **Immunogen**

A synthesized peptide derived from human MyoD1

**Purification** 

Affinity-chromatography

Storage 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.

## Anti-MyoD1/Myod Rabbit Monoclonal 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).

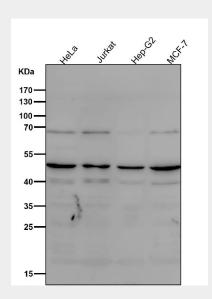
**Cellular Location** Nucleus.

# Anti-MyoD1/Myod Rabbit Monoclonal Antibody - Protocols

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

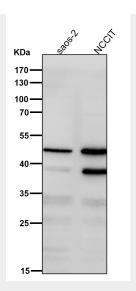
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## Anti-MyoD1/Myod Rabbit Monoclonal Antibody - Images

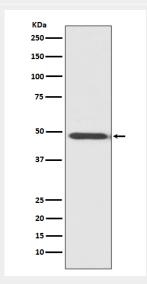


All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.





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



Western blot analysis of MyoD1 expression in HeLa cell lysate.