Rabbit anti MyoD1Polyclonal antibody

Alternative Name(s): myogenic differentiation 1; PUM; MYF3; MYOD; bHLHc1

Order Information

- **Description:** MyoD1
- **Catalogue:** 630-700
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt

ANTIGEN PREPARATION

A synthetic peptide EHY SGD SDA SSP RSN corresponding to human MyoD1. It is identical among human, mice and rat.

BACKGROUND

Myogenic differentiation 1 (Myo D1), a transcription factor that belongs to the basic helix-loop-helix (HLH)family of transcription factors and the myogenic factors subfamily. It regulates muscle cell differentiation by inducing cell cycle arrest, a prerequisite for myogenic initiation. The protein is also involved in muscle regeneration. It activates its own transcription which may stabilize commitment to myogenesis.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human MyoD1 protein. It cross reacts to human, mice and rat.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 34.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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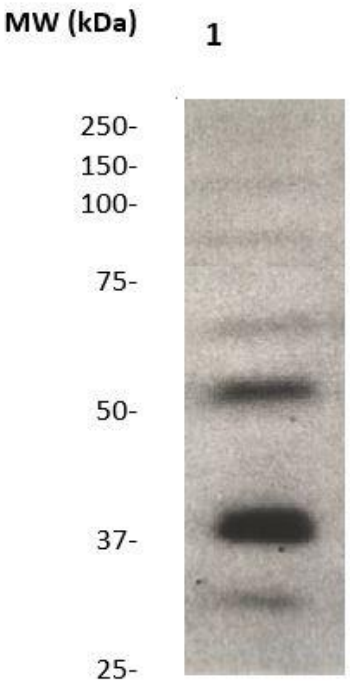
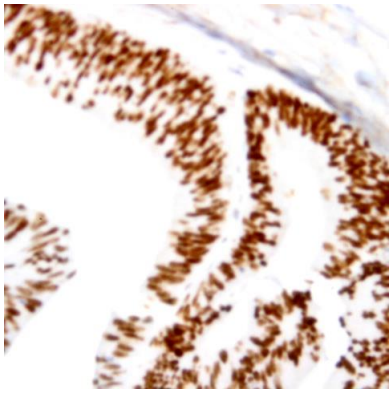
DATA ATTACHMENTS



Western Blot: The tissue lysates derived from mouse muscle were immunoblotted by Rabbit anti-MyoD1 (Cat#630-700) at 1:500. An immunoreactive band around 35 kDa was observed.



Immunohistochemistry: Human breast carcinoma (FFPE) stained with Rabbit anti-MyoD (Cat# 630-700) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES