

MYOD1 Polyclonal antibody

Catalog Number: 18353-1-AP

Basic Information

Catalog Number:

18353-1-AP

Size:

210 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13208

GenBank Accession Number:

BF219762

GeneID (NCBI):

4654

UNIPROT ID:

P15172

Full Name:

myogenic differentiation 1

Calculated MW:

35 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Species Specificity:

human

Background Information

MYOD1, also named as BHLHC1 or MYF3, is a 320 amino acid protein, which promotes the transcriptional activity of MYOD1 through its CDK9-mediated phosphorylation. This phosphorylation promotes its function in muscle differentiation. MYOD1 acts as a transcriptional activator that promotes transcription of muscle-specific target genes and plays a role in muscle differentiation. MYOD1 together with MYF5 and MYOG, co-occupies muscle-specific gene promoter core region during myogenesis. Induces fibroblasts to differentiate into myoblasts. The calculated molecular weight of MYOD1 is 34 kDa, but modified MYOD1 is about 45-47 kDa. (PMID: 12037670)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

