

For Research Use Only

MYOD1 Polyclonal antibody

Catalog Number: 18353-1-AP



Basic Information

Catalog Number: 18353-1-AP	GenBank Accession Number: BF219762	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 213 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4654	
Source: Rabbit	Full Name: myogenic differentiation 1	
Isotype: IgG	Calculated MW: 35 kDa	
Immunogen Catalog Number: AG13208		

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

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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Selected Validation Data