For Research Use Only

MYOD1 Polyclonal antibody, PBS Only

Catalog Number:18943-1-PBS Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
18943-1-PBS

Size:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG13512

GenBank Accession Number:
BC064493

GeneID (NCBI):
4654

UNIPROT ID:
P15172

Full Name:
myogenic differentiation 1

Calculated MW:
320 aa, 35 kDa

Observed MW:
35-45 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

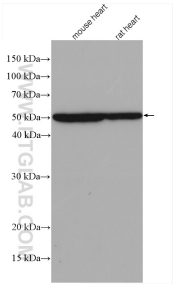
MYOD1, also named as BHLHC1 or MYF3, is a 320 amino acid protein, which promotes the transcriptional activity of MYOD1 through its CDK9-mediated phosphorylation. This phosphorylation promotes its function in muscle differentiation. MYOD1 acts as a transcriptional activator that promotes transcription 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. he calcualted molecular weight of MYOD1 is 34 kDa, but modified MYOD1 is about 45 kDa. (PMID: 12037670)

Storage

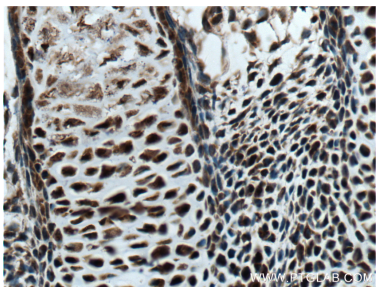
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

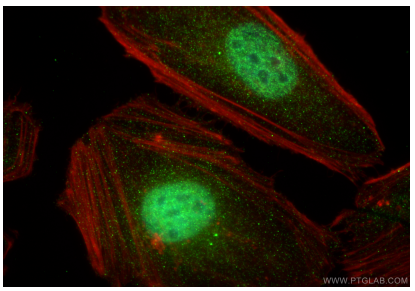
Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 18943-1-AP (MYOD1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18943-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse embryo tissue slide using 18943-1-AP (MYOD1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18943-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MYOD1 antibody (18943-1-AP) at dilution of 1:800 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red). This data was developed using the same antibody clone with 18943-1-PBS in a different storage buffer formulation.