10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MyoD Polyclonal Antibody

Catalog # AP73519

Product Information

Application	WB, IHC-P
Primary Accession	P15172
Reactivity	Human, Mouse, Rat, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34501

Additional Information

Gene ID	4654
Other Names	MYOD1; BHLHC1; MYF3; MYOD; Myoblast determination protein 1; Class C basic helix-loop-helix protein 1; bHLHc1; Myogenic factor 3; Myf-3
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

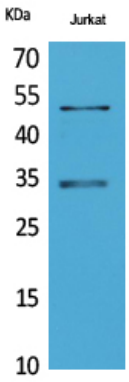
Name	MYOD1
Synonyms	BHLHC1, MYF3, MYOD
Function	Acts as a transcriptional activator that promotes transcription of muscle-specific target genes and plays a role in muscle differentiation. Together with MYF5 and MYOG, co-occupies muscle-specific gene promoter core region during myogenesis. Induces fibroblasts 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.

Background

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).

Images



Western Blot analysis of Jurkat cells using MyoD Polyclonal Antibody.. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).