

MDFI Polyclonal Antibody

Catalog # AP70871

Product Information

Application WB Primary Accession Q99750

Reactivity Human, Mouse

HostRabbitClonalityPolyclonalCalculated MW25029

Additional Information

Gene ID 4188

Other Names MDFI; MyoD family inhibitor; Myogenic repressor I-mf

Dilution WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other

applications.

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

Name MDFI

Function Inhibits the transactivation activity of the Myod family of myogenic factors

family members and retaining them in the cytoplasm by masking their nuclear localization signals (By similarity). Can also interfere with the DNA-binding activity of Myod family members (By similarity). Plays an important role in trophoblast and chondrogenic differentiation (By similarity). Regulates the transcriptional activity of TCF7L1/TCF3 by interacting directly with TCF7L1/TCF3 and preventing it from binding DNA (By similarity). Binds to the axin complex, resulting in an increase in the level of free beta-catenin (By similarity). Affects axin regulation of the WNT and JNK signaling pathways (By

and represses myogenesis (By similarity). Acts by associating with Myod

similarity). Regulates the activity of mechanosensitive Piezo channel

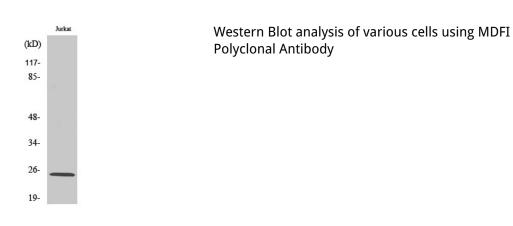
(PubMed: 37590348).

Cellular Location Nucleus. Cytoplasm {ECO:0000250 | UniProtKB:P70331}

Background

Inhibits the transactivation activity of the Myod family of myogenic factors and represses myogenesis. Acts by associating with Myod family members and retaining them in the cytoplasm by masking their nuclear localization signals. Can also interfere with the DNA-binding activity of Myod family members. Plays an important role in trophoblast and chondrogenic differentiation. Regulates the transcriptional activity of TCF7L1/TCF3 by interacting directly with TCF7L1/TCF3 and preventing it from binding DNA. Binds to the axin complex, resulting in an increase in the level of free beta-catenin. Affects axin regulation of the WNT and JNK signaling pathways (By similarity).

Images



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