

Product Name: MDFI Rabbit Polyclonal Antibody
Catalog #: APRab13748



Summary

Production Name	MDFI Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	MDFI
Alternative Names	MDFI; MyoD family inhibitor; Myogenic repressor I-mf
Gene ID	4188.0
SwissProt ID	Q99750.The antiserum was produced against synthesized peptide derived from human MDFI. AA range:103-152

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:10000
Molecular Weight	25kD

Background

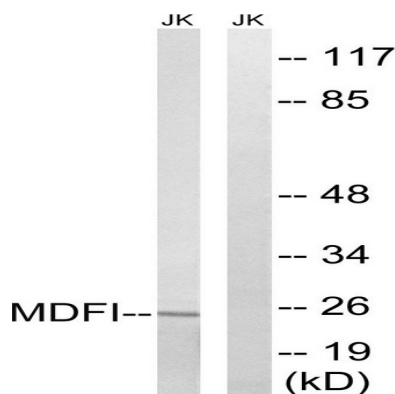
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This protein is a transcription factor that negatively regulates other myogenic family proteins. Studies of the mouse homolog, I-mf, show that it interferes with myogenic factor function by masking nuclear localization signals and preventing DNA binding. Knockout mouse studies show defects in the formation of vertebrae and ribs that also involve cartilage formation in these structures. [provided by RefSeq, Jul 2008],function: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.,similarity:Belongs to the MDFI family.,subunit:The C-terminus interacts with AXIN1 and LEF1.,

Research Area

Image Data



Western blot analysis of lysates from Jurkat cells, using MDFI Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using MDFI Polyclonal Antibody

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Note

For research use only.