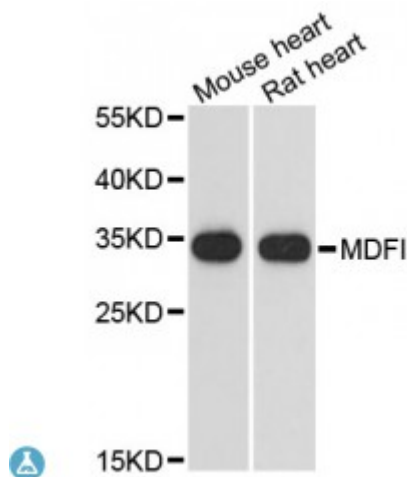


Anti-MDFI Antibody



Description

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.

Model	STJ115663
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-160 of human MDFI (NP_005577.1).
Gene ID	4188
Gene Symbol	MDFI
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	MyoD family inhibitor Myogenic repressor I-mf
Molecular Weight	25.029 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:6967OMIM:604971
Alternative Names	MyoD family inhibitor Myogenic repressor I-mf
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 ,
Cellular Localization	Nucleus

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