Best Tools for immunology Research

MDFI Polyclonal Antibody

Catalog No :	YT2688
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	MDFI
Gene Name :	MDFI
Protein Name :	MyoD family inhibitor
Human Gene Id :	4188
Human Swiss Prot No :	Q99750
Mouse Gene Id :	17240
Mouse Swiss Prot No :	P70331
Immunogen :	The antiserum was produced against synthesized peptide derived from human MDFI. AA range:103-152
Specificity :	MDFI Polyclonal Antibody detects endogenous levels of MDFI protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 25kD

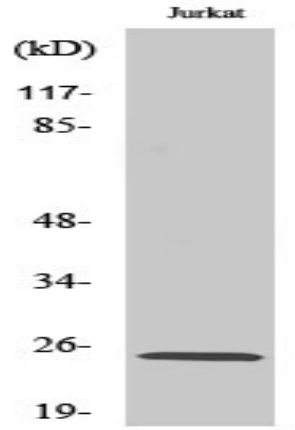
Background : This protein is a transcription factor that negatively regulates other myogenic family proteins. Studies of the mouse homolog, I-mf, show that it interferes with myogenic factor function by masking nuclear localization signals and preventing DNA binding. Knockout mouse studies show defects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

Function : 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.,

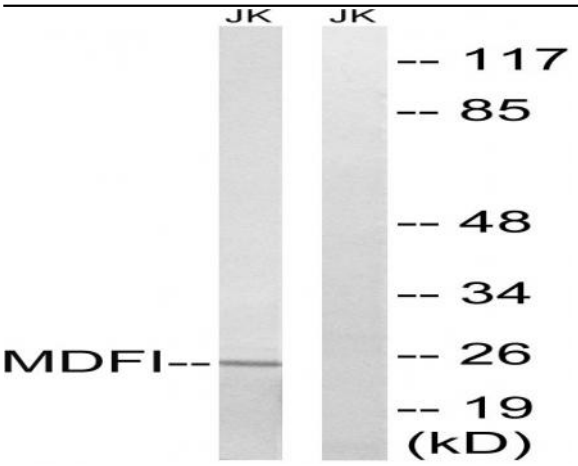
Subcellular Location : Nucleus . Cytoplasm .

Expression : Fetal brain,Muscle,

Products Images



Western Blot analysis of various cells using MDFI Polyclonal Antibody



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