



MDFIC Polyclonal Antibody

Catalog No	YP-Ab-05769
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	MDFIC
Immunogen	Synthesized peptide derived from human protein . at AA range: 100-180
Specificity	MDFIC Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HIC;I-mfa domain-containing protein;LMPHM12;MyoD family inhibitor domain-containing protein;MDFIC;MyoD family inhibitor domain-containing protein (I-mfa domain-containing protein) (hIC)
Observed Band	27kD
Calculated Molecular Weight	27kD
Cell Pathway	[Isoform 1]: Nucleus, nucleolus. Also shows a granular distribution in the cytoplasm.; [Isoform 2]: Cytoplasm . Weak expression in the nucleus.
Tissue Specificity	Expressed in lymphoid organs (spleen, thymus, peripheral blood leukocytes) as well as prostate, uterus and small intestine.
Function	domain:The cysteine-rich C-terminus is involved in its granular distribution in the cytoplasm.,function:Modulates the expression from both cellular and viral promoters. Down-regulates Tat-dependent transcription of the human immunodeficiency virus type 1 (HIV-1) LTR by interacting with HIV-1 Tat and Rev and impairing their nuclear import, probably by rendering the NLS domains inaccessible to importin-beta. Also stimulates activation of human T-cell leukemia virus type I (HTLV-I) LTR. 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.,subcellular



location: Isoform 1 localizes to the nucleolus and also shows a granular distribution in the cytoplasm. Isoform 2 is predominantly distributed throughout the cytoplasm, with only weak expression in the nucleus.

Background

This gene product is a member of a family of proteins characterized by a specific cysteine-rich C-terminal domain, which is involved in transcriptional regulation of viral genome expression. Alternative translation initiation from an upstream non-AUG (GUG), and an in-frame, downstream AUG codon, results in the production of two isoforms, p40 and p32, respectively, which have different subcellular localization; p32 is mainly found in the cytoplasm, whereas p40 is targeted to the nucleolus. Both isoforms have transcriptional regulatory activity that is attributable to the cysteine-rich C-terminal domain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009],

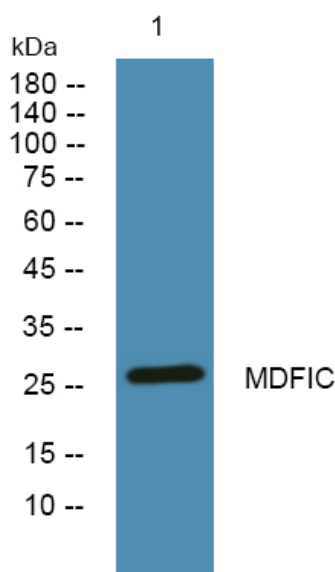
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night