10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MDFIC Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58431

Specification

MDFIC Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	Q9P1T7
Reactivity	**Rat, Pig, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**25788**

MDFIC Polyclonal Antibody - Additional Information

Gene ID 29969

Other Names
MyoD family inhibitor domain-containing protein, I-mfa domain-containing protein, hIC, MDFIC (HGNC:28870)

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

MDFIC Polyclonal Antibody - Protein Information

Name MDFIC (HGNC:28870)

Function
Required to control the activity of various transcription factors through their sequestration in the cytoplasm. Retains nuclear Zic proteins ZIC1, ZIC2 and ZIC3 in the cytoplasm and inhibits their transcriptional activation (By similarity). 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 (PubMed:16260749, PubMed:12944466, Ref.6). Also stimulates activation of human T-cell leukemia virus type I (HTLV-I) LTR (PubMed:10671520). Binds to the axin complex, resulting in an increase in the level of free beta-catenin (PubMed:12192039). Affects axin regulation of the WNT and JNK signaling pathways (PubMed:12192039). Has a role in

the development of lymphatic vessel valves. It is required to promote lymphatic endothelial cell migration, in a process that involves down- regulation of integrin beta 1 activation and control of cell adhesion to the extracellular matrix (PubMed:35235341) (By similarity).

Cellular Location
[Isoform 1]: Nucleus, nucleolus. Note=Also shows a granular distribution in the cytoplasm

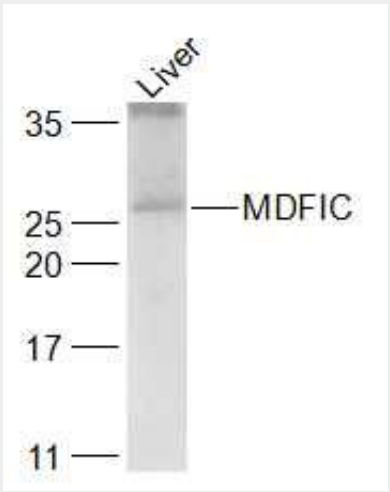
Tissue Location
Expressed in lymphatic tissues. Detected in the spleen, thymus, peripheral blood leukocytes as well as prostate, uterus and small intestine. Expressed in lymphatic endothelial cells (PubMed:35235341).

MDFIC Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MDFIC Polyclonal Antibody - Images



Sample:
Liver (Mouse) Lysate at 40 ug
Primary: Anti-MDFIC (bs-6386R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 26 kD
Observed band size: 26 kD

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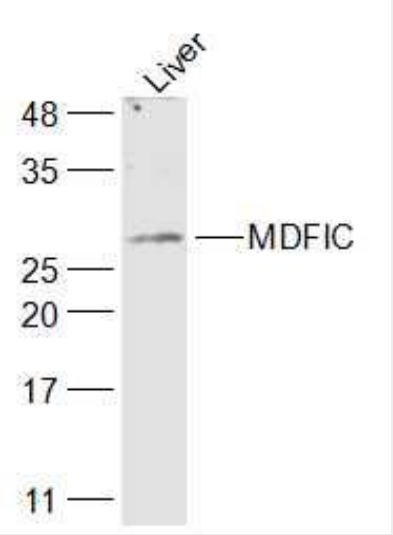

Sample:
Liver (Rat) Lysate at 40 ug
Primary: Anti-MDFIC (bs-6386R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 26 kD
Observed band size: 26/27 kD