

Anti-I-MF Antibody
Rabbit polyclonal antibody to I-MF
Catalog # AP61337**Specification**

Anti-I-MF Antibody - Product Information

Application	WB
Primary Accession	Q99750
Other Accession	P70331
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25029

Anti-I-MF Antibody - Additional Information**Gene ID** 4188**Other Names**

MyoD family inhibitor; Myogenic repressor I-mf

Target/Specificity

Recognizes endogenous levels of I-MF protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-I-MF Antibody - Protein Information**Name** MDFI**Function**

Inhibits the transactivation activity of the Myod family of myogenic factors and represses myogenesis (By similarity). Acts by associating with Myod family members and retaining them in the cytoplasm by masking their nuclear localization signals (By similarity). Can also interfere with the DNA-binding activity of Myod family members (By similarity). Plays an important role in trophoblast and chondrogenic differentiation (By similarity). Regulates the transcriptional activity of TCF7L1/TCF3 by interacting directly with TCF7L1/TCF3 and preventing it from binding DNA (By similarity). Binds to the axin complex, resulting in an increase in the level of free beta-catenin (By similarity). Affects axin regulation of the WNT and JNK signaling pathways (By similarity). Regulates the activity of mechanosensitive Piezo channel (PubMed:37590348).

Cellular Location

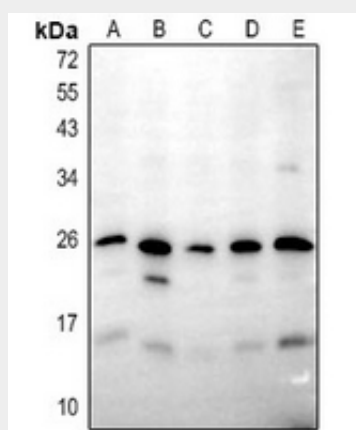
Nucleus. Cytoplasm {ECO:0000250|UniProtKB:P70331}

Anti-I-MF 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 Cytometry](#)
- [Cell Culture](#)

Anti-I-MF Antibody - Images



Western blot analysis of I-MF expression in mouse embryo (A), HCT116 (B), SGC7901 (C), Panc1 (D), C6 (E) whole cell lysates.

Anti-I-MF Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human I-MF. The exact sequence is proprietary.