

Anti-I-MF Antibody

Catalog # AP61337

Product Information

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

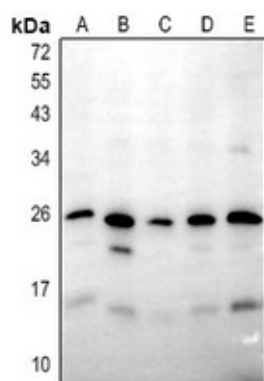
Additional Information

Gene ID	4188
Other Names	MyoD family inhibitor; Myogenic repressor I-mf
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human I-MF. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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}

Images



Western blot analysis of I-MF expression in mouse embryo (A), HCT116 (B), SGC7901 (C), Panc1 (D), C6 (E) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 25 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.