MEF2C Recombinant Rabbit Monoclonal Antibody (JE35-45)

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	JE35-45
Conjugate	Unconjugated
Immunogen	Synthetic peptide within human MEF2C aa 400-473.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 0.05% BSA, 40% glycerol
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunocytochemistry (ICC/IF)	1:100	-

Product Specific Information

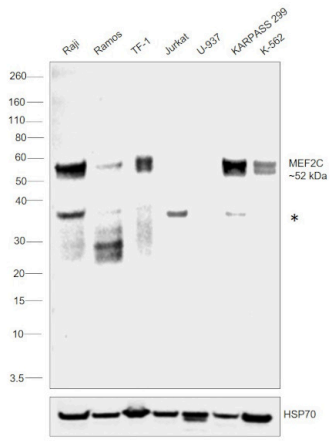
Positive Control: Daudi cell lysate, Raji cell lysate, Jurkat cell lysate.

Subcellular Location: Cytoplasm, Nucleus.

Tissue Specificity: Expressed in brain and skeletal muscle.Expression is highest during the early stages of postnatal development, at later stages levels greatly decrease.

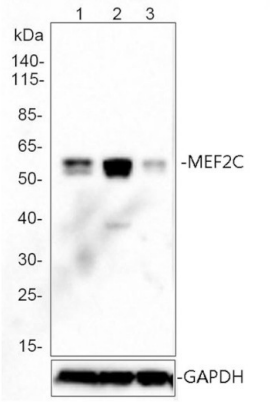
Sequence Similarities: 98% Mouse/Rat.

Product Images For MEF2C Recombinant Rabbit Monoclonal Antibody (JE35-45)



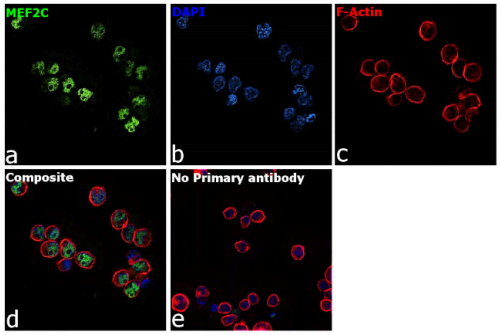
MEF2C Antibody (MA5-46617) in WB

Western blot was performed using Anti-MEF2C Recombinant Rabbit Monoclonal Antibody (JE35-45) (Product # MA5-46617) and a 52 kDa band corresponding to MEF2C was observed across cell lines tested along with uncharacterized bands at 35 kDa. Fresh whole cell extracts (30 µg lysate) of Raji (Lane 1), Ramos (Lane 2), TF-1 (Lane 3), Jurkat (Lane 4), U-937 (Lane 5), KARPAS 299 (Lane 6) and K-562 (Lane 7) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:20,000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580). Expression of MEF2C was observed to be high in Raji, Ramos and TF-1 in comparison to Jurkat and U-937.



MEF2C Antibody (MA5-46617) in WB

Western blot was performed using Anti-MEF2C Recombinant Rabbit Monoclonal Antibody (JE35-45) (Product # MA5-46617) and a 55 kDa band corresponding to MEF2C was observed across cell lines tested. Whole cell extracts (20 µg lysate) of Daudi (Lane 1), Raji (Lane2) and Jurkat (Lane 3) were electrophoresed using 4-20% SDS-PAGE gel. Resolved proteins were transferred onto a PVDF membrane. The blot was blocked with 5% BSA for 1 hour at room temperature, then probed with the primary antibody (1:500 dilution) for 2 hours at room temperature and detected by chemiluminescence with HRP labeled Goat anti-Rabbit IgG secondary antibody.



MEF2C Antibody (MA5-46617) in ICC/IF

Immunofluorescence analysis of MEF2C was performed using 70% confluent log phase Raji cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with MEF2C Recombinant Rabbit Monoclonal Antibody (JE35-45) (Product # MA5-46617) at 1: 100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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