

MEF2C Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein fragment corresponding to a region within amino acids 1 and 320 of Human MEF2C
Form	Liquid
Concentration	1.32 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2545723

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:10,000	1 Publication
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunohistochemistry (Frozen) (IHC (F))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	2 Publications
Immunoprecipitation (IP)	1:100-1:500	-

Product Specific Information

Recommended positive controls: U87-MG.

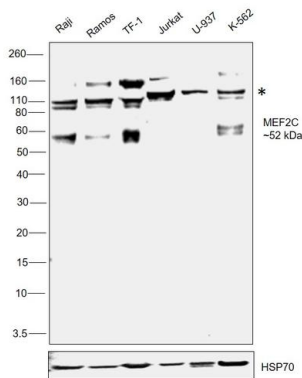
Predicted reactivity: Mouse (98%), Xenopus laevis (92%), Pig (97%), Sheep (97%), Rhesus Monkey (100%), Bovine (100%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For MEF2C Polyclonal Antibody

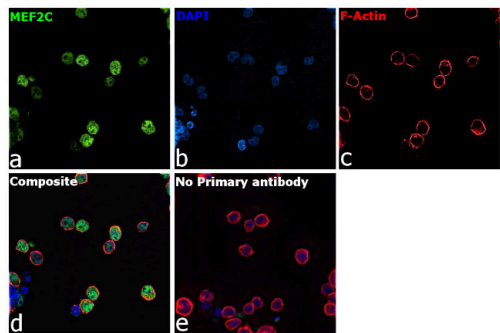
MEF2C Antibody (PA5-28247) in WB

Western blot was performed using Anti-MEF2C Polyclonal Antibody (Product # PA5-28247) and a 52 kDa band corresponding to MEF2C was observed along with uncharacterized bands at 110 kDa across cell lines tested. Whole cell extracts (30 µg lysate) of Raji (Lane 1), Ramos (Lane 2), TF-1 (Lane 3), Jurkat (Lane 4), U-937 (Lane 5) and K-562 (Lane 6) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX), 12 well. 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.



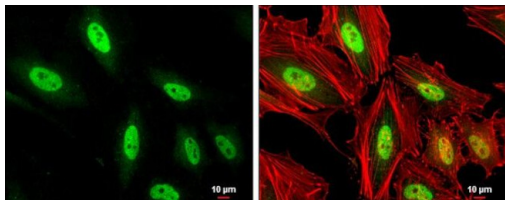
MEF2C Antibody (PA5-28247) in ICC/IF

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 45 minutes at room temperature. The cells were labeled with MEF2C Polyclonal Antibody (Product # PA5-28247) at 1:100 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034, 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.



MEF2C Antibody (PA5-28247) in ICC/IF

Immunocytochemistry-Immunofluorescence analysis of MEF2C was performed in HeLa cells fixed in 4% paraformaldehyde at RT for 15 min. Green: MEF2C Polyclonal Antibody (Product # PA5-28247) diluted at 1:1000. Red: phalloidin, a cytoskeleton marker. Scale bar = 10 µm.



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Western Blot (1)

International journal of molecular sciences	Year 2020
MiR-96-5p Induced by Palmitic Acid Suppresses the Myogenic Differentiation of C2C12 Myoblasts by Targeting FHL1.	
"Published figure using MEF2C polyclonal antibody (Product # PA5-28247) in Western Blot"	
Authors: Nguyen MT,Min KH, Lee W	

Immunohistochemistry (2)

Cells	Year 2021
Myocyte Enhancer Factor 2C as a New Player in Human Breast Cancer Brain Metastases.	Species Human
"Published figure using MEF2C polyclonal antibody (Product # PA5-28247) in Immunohistochemistry"	Dilution 1:100
Authors: Galego S,Kaupila LA,Malhó R,Pimentel J,Brito MA	

Molecular oncology	Year 2020
Downregulation of circulating miR 802-5p and miR 194-5p and upregulation of brain MEF2C along breast cancer brain metastasization.	
"Published figure using MEF2C polyclonal antibody (Product # PA5-28247) in Immunocytochemistry"	
Authors: Sereno M,Haskó J,Molnár K,Medina SJ,Reisz Z,Malhó R,Videira M,Tiszlavicz L,Booth SA,Wilhelm I,Krizbai IA, Brito MA	

Immunocytochemistry (2)

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