

# Product Datasheet

## MEF2C Antibody NBP2-17260

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-17260****MEF2C Antibody****Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol
<b>Target Molecular Weight</b>	51 kDa

**Product Description**

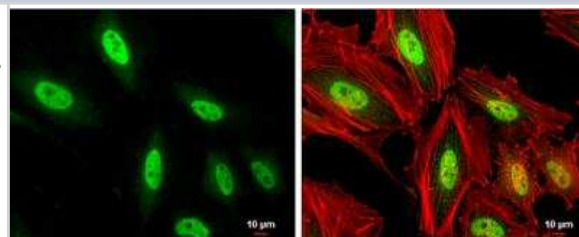
<b>Host</b>	Rabbit
<b>Gene ID</b>	4208
<b>Gene Symbol</b>	MEF2C
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Xenopus laevis (90%). Use in Rat reported in scientific literature (PMID:33125406).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human MEF2C. The exact sequence is proprietary.

**Product Application Details**

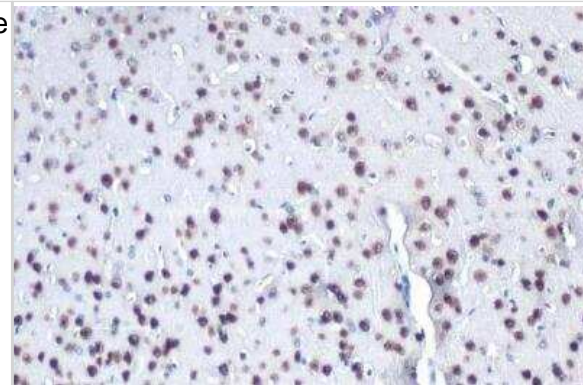
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:5000-1:20000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen 1:100-1:1000
<b>Application Notes</b>	IHC-Fr Assay dependent.

**Images**

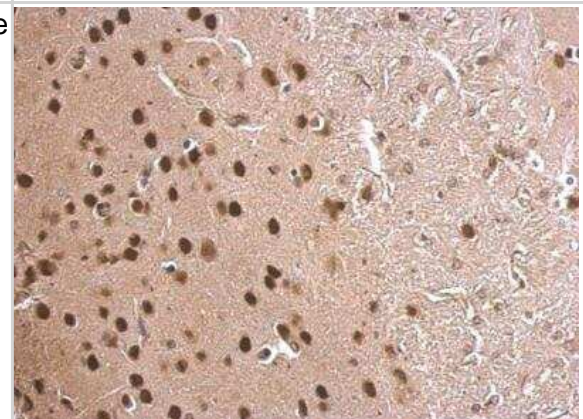
Immunocytochemistry/Immunofluorescence: MEF2C Antibody [NBP2-17260] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: MEF2C protein stained by MEF2C antibody diluted at 1:1000. Red: phalloidin, a cytoskeleton marker, diluted at 1:200. Scale bar = 10 um.



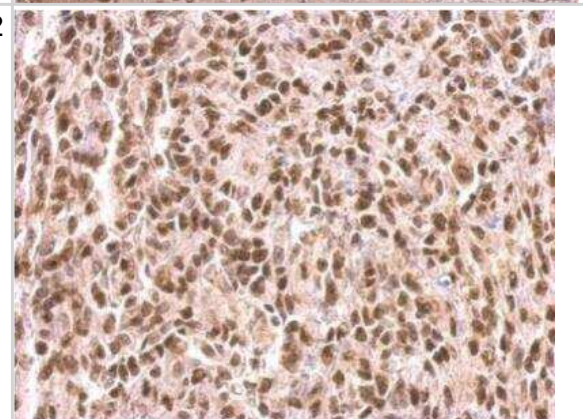
Immunohistochemistry-Paraffin: MEF2C Antibody [NBP2-17260] - Mouse brain. MEF2C stained by MEF2C antibody diluted at 1:250. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



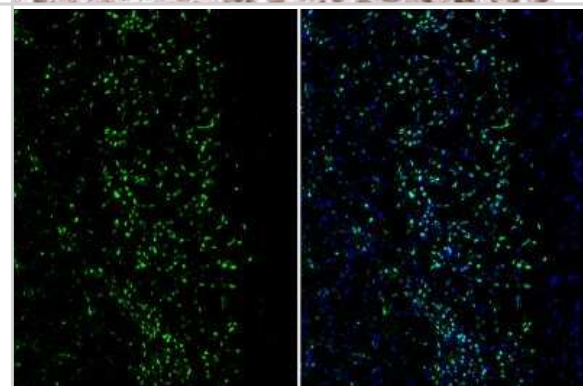
Immunohistochemistry-Paraffin: MEF2C Antibody [NBP2-17260] - Mouse fore brain. MEF2C antibody dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



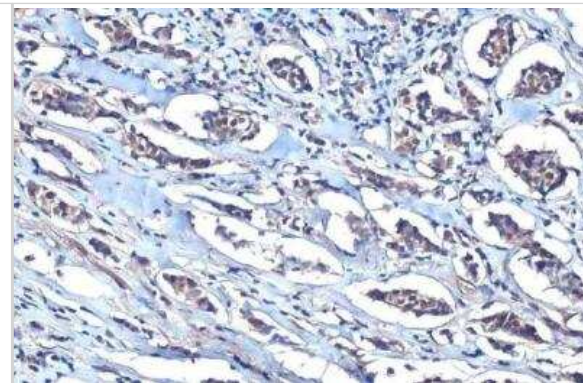
Immunohistochemistry-Paraffin: MEF2C Antibody [NBP2-17260] - Saos2 xenograft. MEF2C antibody dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



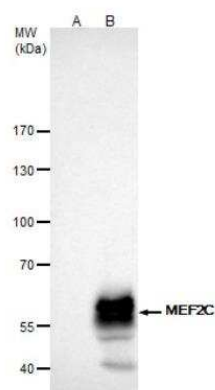
Immunohistochemistry-Frozen: MEF2C Antibody [NBP2-17260] - Mouse cerebral cortex. Green: MEF2C stained by MEF2C antibody diluted at 1:250. Blue: Fluoroshield with DAPI.



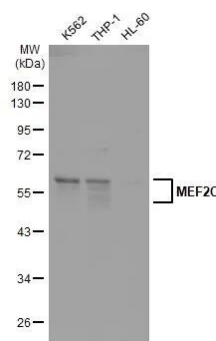
Immunohistochemistry-Paraffin: MEF2C Antibody [NBP2-17260] - Human breast carcinoma. MEF2C stained by MEF2C antibody diluted at 1:250. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunoprecipitation: MEF2C Antibody [NBP2-17260] - K562 whole cell extract A. Control with 4 ug of preimmune Rabbit IgG B. Immunoprecipitation of MEF2C protein by 4 ug MEF2C antibody 5 % SDS-PAGE The immunoprecipitated MEF2C protein was detected by MEF2C antibody diluted at 1:1000. [EasyBlot anti-rabbit IgG was used as a secondary reagent]



Western Blot: MEF2C Antibody [NBP2-17260] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with MEF2C antibody (NBP2-17260) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## Publications

Bowles Kr, Silva Mc, Whitney K Et Al. ELAVL4, splicing, and glutamatergic dysfunction precede neuron loss in MAPT mutation cerebral organoids Cell 2021-07-21 [PMID: 34314701] (IF/IHC)

Ogura Y, Kakehashi C, Yoshihara T et al Ketogenic diet feeding improves aerobic metabolism property in extensor digitorum longus muscle of sedentary male rats PLoS One 2020-10-30 [PMID: 33125406] (WB, Rat)

Details:

Citation using the HRP version of this antibody.



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### **Products Related to NBP2-17260**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-52925PEP	MEF2C Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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