

Product Datasheet

MEF2C Antibody - BSA Free NBP1-89468

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 4

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NBP1-89468

MEF2C Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

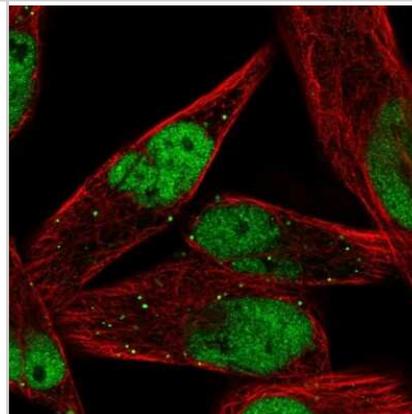
Product Description	
Description	Novus Biologicals Rabbit MEF2C Antibody - BSA Free (NBP1-89468) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-MEF2C Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4208
Gene Symbol	MEF2C
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: PPNFEMPVSIPVSSHNSLVYSNPVSSLGNPNLLPLAHPSLQRNSMSPGVTHRP PSAGNTGGLMGDLTSGAGTSAGNGYGNPRNSPGLLVSPGNLNKNMQAKSP PPMNLGMNRRKPDRLVLIIPPGSKNTMPSVNQRINN

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation-exo-Seq
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

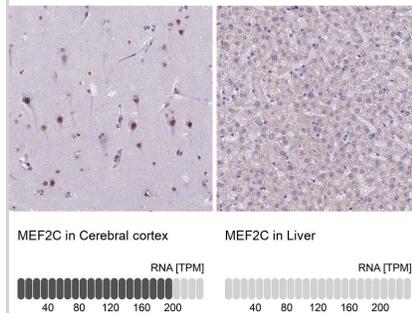


Images

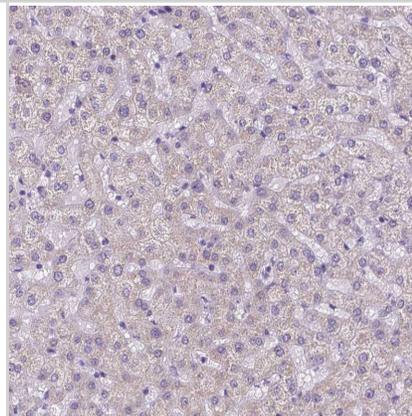
Immunocytochemistry/Immunofluorescence: MEF2C Antibody [NBP1-89468] - Staining of human cell line RH-30 shows localization to nucleoplasm & vesicles. Antibody staining is shown in green.



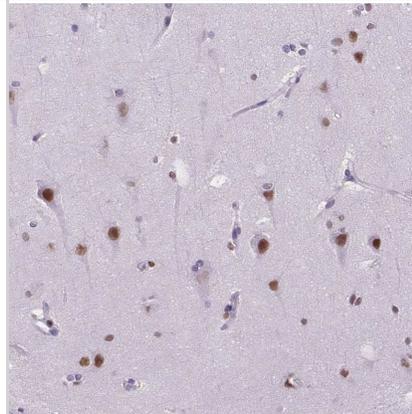
Analysis in human cerebral cortex and liver tissues using NBP1-89468 antibody. Corresponding MEF2C RNA-seq data are presented for the same tissues.



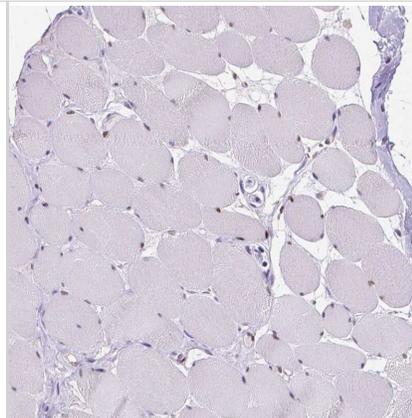
Staining of human liver shows no positivity in hepatocytes as expected.



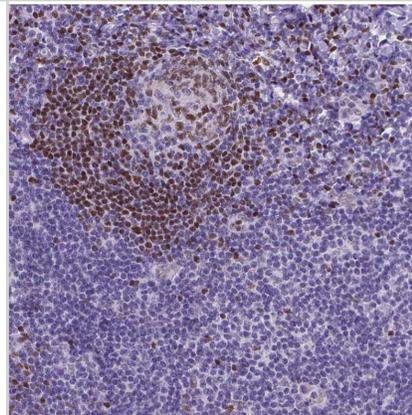
Staining of human cerebral cortex shows strong nuclear positivity in neurons.



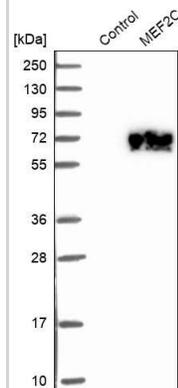
Staining of human skeletal muscle shows moderate nuclear positivity in myocytes.



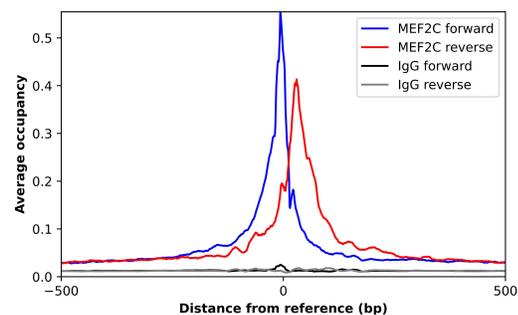
Staining of human tonsil shows moderate nuclear positivity in germinal center cells.



Analysis in human cerebral cortex and liver tissues using NBP1-89468 antibody. Corresponding MEF2C RNA-seq data are presented for the same tissues.



ChIP-Exo-Seq composite graph for Anti-MEF2C (NBP1-89468) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



Publications

Lockhart MM, Wirrig EE, Phelps AL et al. Mef2c Regulates Transcription of the Extracellular Matrix Protein Cartilage Link Protein 1 in the Developing Murine Heart. PLoS One 2013-01-01 [PMID: 23468913]

Clark CD, Zhang B, Lee B et al. Evolutionary Conservation of Nkx2.5 Autoregulation in the Second Heart Field. Dev Biol 2013-02-01 [PMID: 23165293]

Yelamanchili SV, Chaudhuri AD, Chen LN et al. MicroRNA-21 dysregulates the expression of MEF2C in neurons in monkey and human SIV/HIV neurological disease. Cell Death Dis 2010-01-01 [PMID: 21170291]

Wirrig EE, Hinton RB, Yutzey KE. Differential expression of cartilage and bone-related proteins in pediatric and adult diseased aortic valves. J Mol Cell Cardiol 2011-03-01 [PMID: 21163264]





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Products Related to NBP1-89468

NBP1-89468PEP	MEF2C Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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