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Product datasheet for TA502500

MEF2C Mouse Monoclonal Antibody [Clone ID: OTI2D2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D2
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MEF2C (NP_002388) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.85 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	51 kDa
Gene Name:	myocyte enhancer factor 2C
Database Link:	NP_002388 Entrez Gene 17260 MouseEntrez Gene 499497 RatEntrez Gene 4208 Human Q06413

View online »

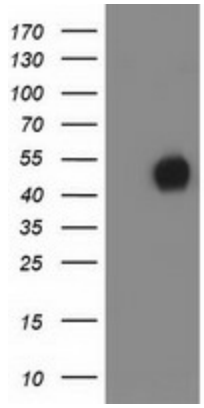
Background: This locus encodes a member of the MADS box transcription enhancer factor 2 (MEF2) family of proteins, which play a role in myogenesis. The encoded protein, MEF2 polypeptide C, has both trans-activating and DNA binding activities. This protein may play a role in maintaining the differentiated state of muscle cells. Mutations and deletions at this locus have been associated with severe mental retardation, stereotypic movements, epilepsy, and cerebral malformation. Alternatively spliced transcript variants have been described. [provided by RefSeq]

Synonyms: C5DELq14.3; DEL5q14.3

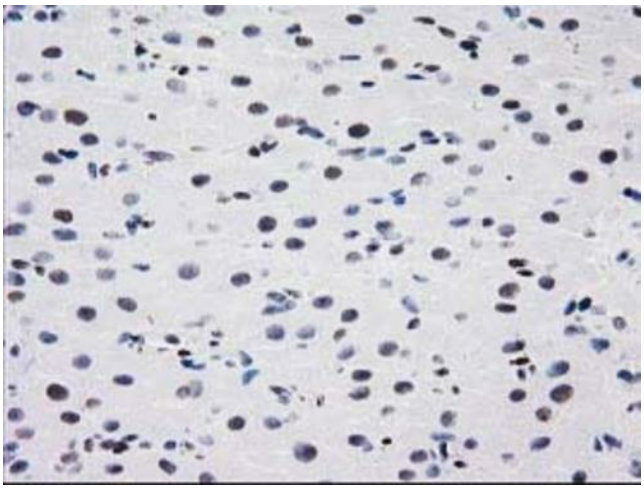
Protein Families: Transcription Factors

Protein Pathways: MAPK signaling pathway

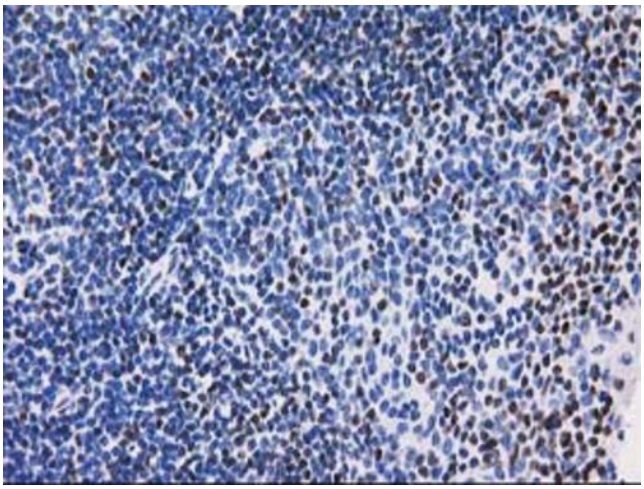
Product images:



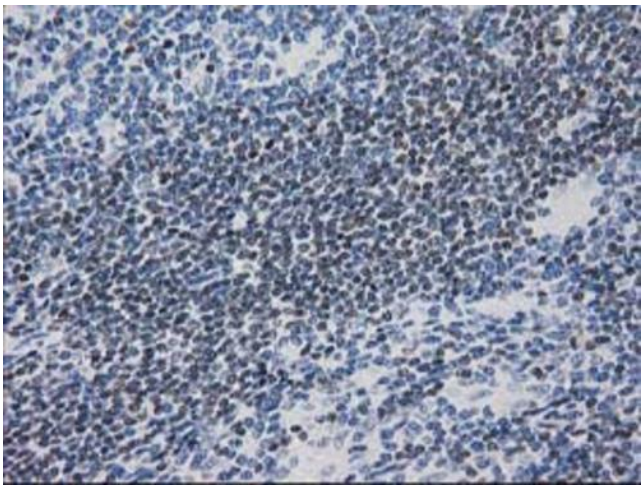
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MEF2C ([RC220584], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MEF2C. Positive lysates [LY419349] (100ug) and [LC419349] (20ug) can be purchased separately from OriGene.



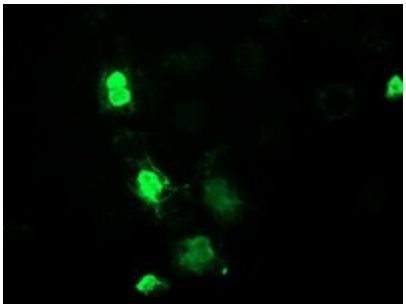
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-MEF2C mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



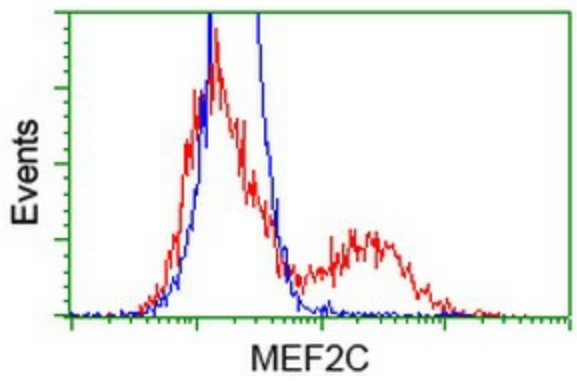
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-MEF2C mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-MEF2C mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-MEF2C mouse monoclonal antibody (TA502500) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MEF2C ([RC220584]).



HEK293T cells transfected with either [RC220584] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MEF2C antibody (TA502500), and then analyzed by flow cytometry.