

MEF2C antibody

Product Information

Catalog No.:	FNab05104
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. Controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. Plays an essential role in hippocampal-dependent learning and memory by suppressing the number of excitatory synapses and thus regulating basal and evoked synaptic transmission. Crucial for normal neuronal development, distribution, and electrical activity in the neocortex. Necessary for proper development of megakaryocytes and platelets and for bone marrow B-lymphopoiesis. Required for B-cell survival and proliferation in response to BCR stimulation, efficient IgG1 antibody responses to T-cell-dependent antigens and for normal induction of germinal center B-cells. May also be involved in neurogenesis and in the development of cortical architecture(By similarity). Isoform 3 and isoform 4, which lack the repressor domain, are more active than isoform 1 and isoform 2.MEF2C exists some isoforms with MV 50-52 kDa, 47 kDa, and 45 kDa, but modified MEF2C is about 55-60 kDa.Phosphorylation and acetylation may affect the molecular weight of protein,and 60-70kd was also been reported(PMID:28973134).

Immunogen information

Immunogen:	myocyte enhancer factor 2C
Synonyms:	Myocyte-specific enhancer factor 2C Myocyte enhancer factor 2C MEF2C
Observed MW:	52 kDa, 44 kDa, 60 kDa
Uniprot ID :	Q06413

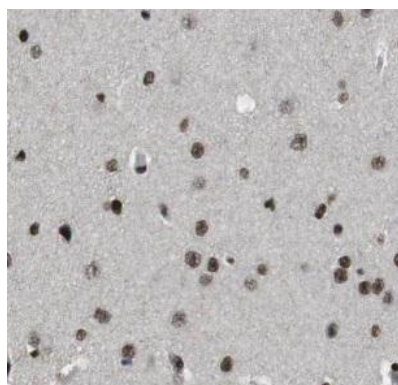
Application

Reactivity: Human, Mouse, Rat

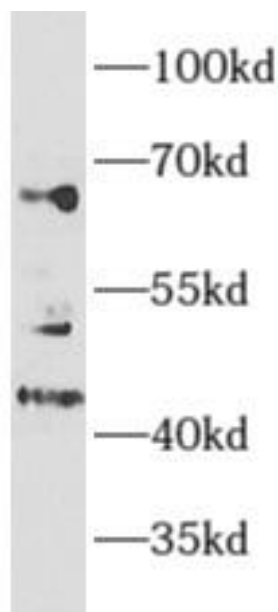
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human brain using FNab05104(MEF2C antibody) at dilution of 1:50



mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with FNab05104(MEF2C antibody) at dilution of 1:1000