

MEF2C-Specific antibody

Product Information

Catalog No.:	FNab05107
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

MEF2C belongs to the MEF2 family. It is a transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. MEF2C controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. It 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. It is crucial for normal neuronal development, distribution, and electrical activity in the neocortex and is necessary for proper development of megakaryocytes and platelets and for bone marrow B lymphopoiesis. This protein is 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. It may also be involved in neurogenesis and in the development of cortical architecture. The immunogen used is peptide from the specific sequence of MEF2C transcript variant 1 match to transcript variant 5. The antibody can recognize the transcript variant 1, transcript variant 2 and transcript variant 3 of MEF2C.

Immunogen information

Immunogen:	myocyte enhancer factor 2C
Synonyms:	Myocyte-specific enhancer factor 2C Myocyte enhancer factor 2C MEF2C
Observed MW:	51 kDa
Uniprot ID :	Q06413

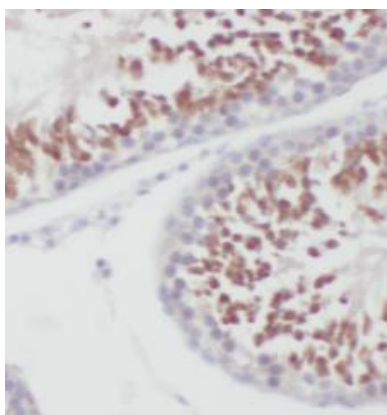
Application

Reactivity: Human, Mouse, Rat

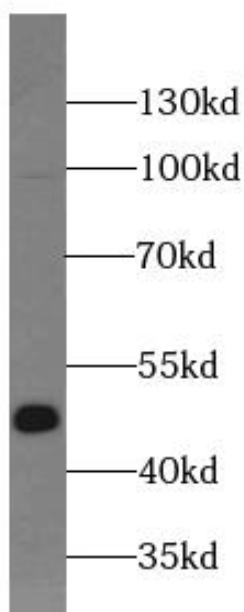
Tested Application: ELISA, IHC, WB

Recommended dilution: WB: 1:500-1:1000; IHC: 1:20-1:200

Image:



Immunohistochemical of paraffin-embedded human testis using FNab05107(MEF2C-Specific antibody) at dilution of 1:50



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with FNab05107(MEF2C-Specific antibody) at dilution of 1:600