

For Research Use Only

CoraLite® Plus 488-conjugated MEF2C Polyclonal antibody



Catalog Number:CL488-20326

Basic Information

Catalog Number: CL488-20326	GenBank Accession Number: BC026341	Purification Method: Antigen Affinity Purified
Size: 1000 µg/ml	GeneID (NCBI): 4208	Recommended Dilutions: IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: Q06413	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: myocyte enhancer factor 2C	
Immunogen Catalog Number: AG13255	Calculated MW: 469 aa, 51 kDa	
	Observed MW: 65-68 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: mouse brain tissue,
Species Specificity: human, mouse, rat	

Background Information

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. This antibody is a rabbit polyclonal antibody raised against an internal 161Aa region of human MEF2C. Phosphorylation and acetylation may affect the molecular weight of protein, and 60-70kd was also been reported (PMID:28973134).

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

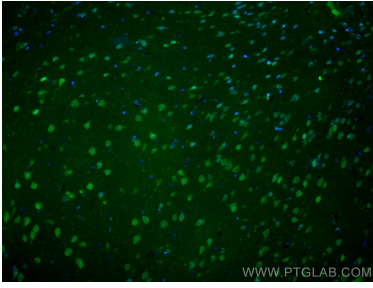
T: 4006900926

E: Proteintech-CN@ptglab.com

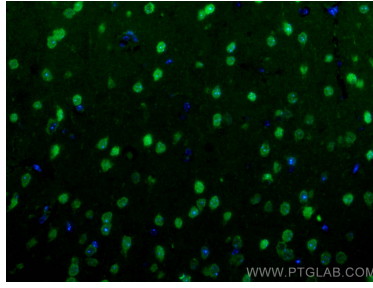
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 MEF2C antibody (CL488-20326) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 MEF2C antibody (CL488-20326) at dilution of 1:200.