

# MEF2C-Specific Polyklonaler Antikörper

Katalog-Nr.:18293-1-AP

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 18293-1-AP	<b>GenBank-Zugangsnummer:</b> NM_002397	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 213 µg/ml von Nanodrop und 213 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 4208	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:1000 IHC 1:20-1:200
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> myocyte enhancer factor 2C	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 51 kDa	
	<b>Beobachtete Masse:</b> 65-68 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IHC, WB, ELISA

### Getestete Reaktivität:

Human, Maus, Ratte

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

WB : SH-SY5Y-Zellen,

IHC : humanes Hodengewebe, humanes Hirngewebe, humanes Lungengewebe, humanes Milzgewebe, humanes Nierengewebe

## Hintergrundinformationen

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.

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

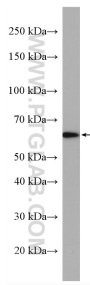
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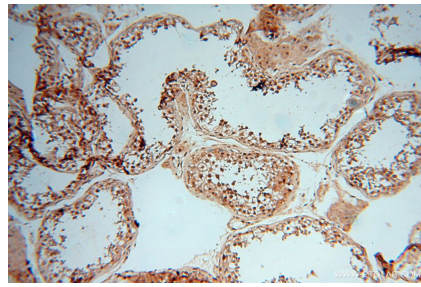
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W: ptglab.com

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## Ausgewählte Validierungsdaten



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 18293-1-AP (MEF2C-Specific antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 18293-1-AP (MEF2C-Specific antibody) at dilution of 1:50 (under 10x lens).