

For Research Use Only

MEF2A Recombinant monoclonal antibody

Catalog Number: 87660-2-RR



Basic Information

Catalog Number: 87660-2-RR	GenBank Accession Number: BC013437	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4205	CloneNo.: 253110B3
Source: Rabbit	UNIPROT ID: Q02078	Recommended Dilutions: WB: 1:500-1:2000 IF/ICC: 1:250-1:1000
Isotype: IgG	Full Name: myocyte enhancer factor 2A	
Immunogen Catalog Number: AG41519	Calculated MW: 499 aa, 54 kDa	
	Observed MW: 50-70kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : Daudi cells, THP-1 cells, Raji cells, mouse brain tissue, rat brain tissue
	IF/ICC : HeLa cells,

Background Information

MEF2A belongs to a family of DNA binding regulatory proteins. Each of these proteins which belong to the myocyte-specific enhancer factor-2 (MEF2) family binds to the MEF2 target DNA sequence present in the regulatory regions of many, if not all, muscle-specific genes. MEF2A plays diverse roles in the control of cell growth, survival and apoptosis via p38 MAPK signaling in muscle-specific and/or growth factor-related transcription. MEF2A also has key roles in cardiac and skeletal muscle development. MEF2A is especially abundant in granule neurons of the cerebellar cortex throughout the period of synaptogenesis. This antibody can detect two bands around 60 kDa to 70 kDa, the larger band may correspond to its post-translational modifications. (PMID: 15483225, 16484498, 23486945)

Storage

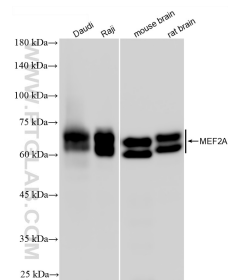
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

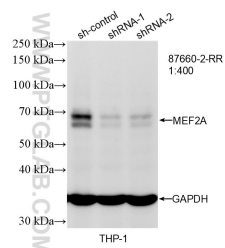
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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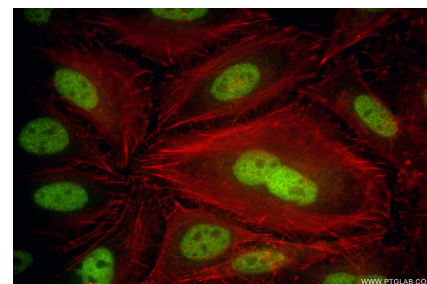
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87660-2-RR (MEF2A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of MEF2A antibody (87660-2-RR; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-MEF2A transfected THP-1 cells.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MEF2A antibody (87660-2-RR, Clone: 253110B3) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).