

MEF2A Recombinant monoclonal antibody

Catalog Number: 87660-2-RR

Basic Information

Catalog Number:

87660-2-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG41519

GenBank Accession Number:

BC013437

GeneID (NCBI):

4205

UNIPROT ID:

Q02078

Full Name:

myocyte enhancer factor 2A

Calculated MW:

499 aa, 54 kDa

Observed MW:

50-70kDa

Purification Method:

Protein A purification

CloneNo.:

253110B3

Recommended Dilutions:

WB: 1:500-1:2000

IF/ICC: 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

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:

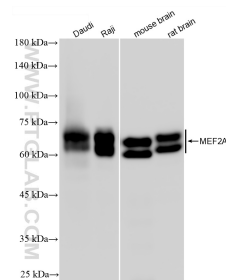
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

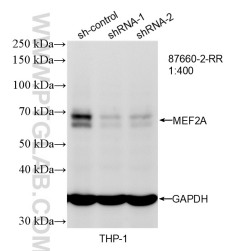
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

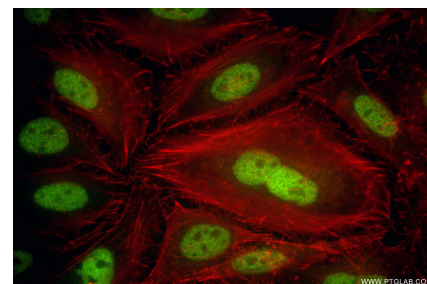
Selected Validation Data



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).