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MEF2A Antibody (monoclonal) (M15)

Mouse monoclonal antibody raised against a partial recombinant MEF2A.
Catalog # AT2835a

Specification

MEF2A Antibody (monoclonal) (M15) - Product Information

Application	**WB, IF, E**
Primary Accession	Q02078
Other Accession	BC013437
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**54811**

MEF2A Antibody (monoclonal) (M15) - Additional Information

Gene ID 4205

Other Names
Myocyte-specific enhancer factor 2A, Serum response factor-like protein 1, MEF2A, MEF2

Target/Specificity
MEF2A (AAH13437, 71 a.a. ~ 170 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
IF~~1:50~200
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
MEF2A Antibody (monoclonal) (M15) is for research use only and not for use in diagnostic or therapeutic procedures.

MEF2A Antibody (monoclonal) (M15) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

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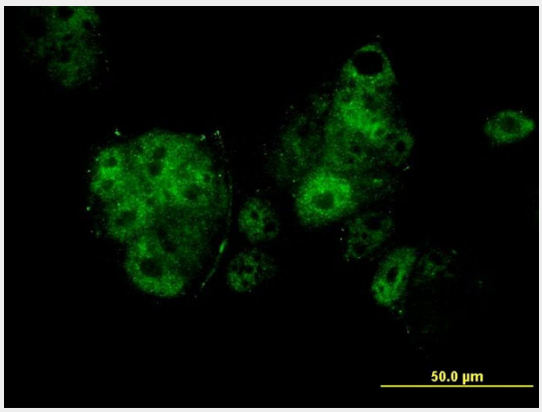
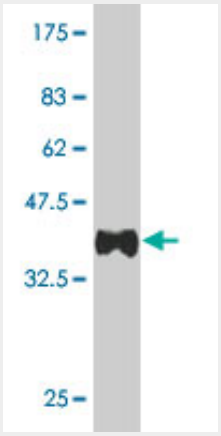
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

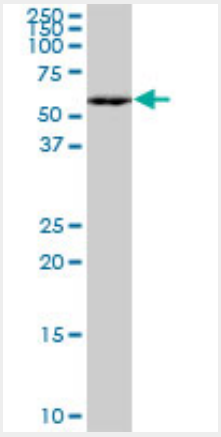
MEF2A Antibody (monoclonal) (M15) - Images



Immunofluorescence of monoclonal antibody to MEF2A on MCF-7 cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37 KDa) .



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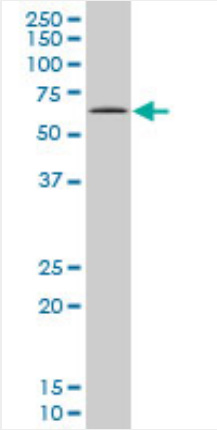
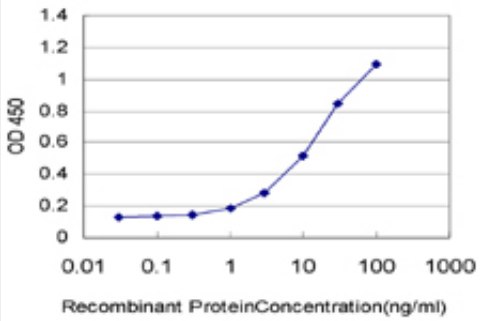
MEF2A monoclonal antibody (M15), clone 1C8. Western Blot analysis of MEF2A expression in HepG2 ((Cat # AT2835a)



MEF2A monoclonal antibody (M15), clone 1C8 Western Blot analysis of MEF2A expression in MCF-7 ((Cat # AT2835a)



Detection limit for recombinant GST tagged MEF2A is approximately 0.3ng/ml as a capture antibody.

MEF2A Antibody (monoclonal) (M15) - Background

The protein encoded by this gene is a DNA-binding transcription factor that activates many muscle-specific, growth factor-induced, and stress-induced genes. The encoded protein can act as a homodimer or as a heterodimer and is involved in several cellular processes, including muscle development, neuronal differentiation, cell growth control, and apoptosis. Defects in this gene could be a cause of autosomal dominant coronary artery disease 1 with myocardial infarction (ADCAD1). Several transcript variants encoding different isoforms have been found for this gene.

MEF2A Antibody (monoclonal) (M15) - References

COMMON VARIANTS IN 40 GENES ASSESSED FOR DIABETES INCIDENCE AND RESPONSE TO METFORMIN AND LIFESTYLE INTERVENTIONS IN THE DIABETES PREVENTION PROGRAM. Jablonski KA, et al. Diabetes, 2010 Aug 3. PMID 20682687.Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Dual roles for MEF2A and MEF2D during human macrophage terminal differentiation and c-Jun expression. Aude-Garcia C, et al. Biochem J, 2010 Sep 1. PMID 20590529.Structural changes in exon 11 of MEF2A are not related to sporadic coronary artery disease in Han Chinese population. Dai DP, et al. Eur J Clin Invest, 2010 Aug. PMID 20546016.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.