Product Name: KD-Validated Myocyte Enhancer Factor 2A Recombinant Rabbit Monoclonal Antibody

Catalog #: KVAb01088

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 54.8kDa

Antigen Information

Gene Name	MEF2A
Alternative Names	Myocyte Enhancer Factor 2A; RSRFC; RSRFC9; Serum Response Factor-Like Protein 1; Myocyte-Specific Enhancer Factor 2A; MADS Box Transcription Enhancer Factor 2, Polypeptide A (Myocyte Enhancer Factor 2A); ADCAD1; Mef2; MEF2
Gene ID	4205.0
SwissProt ID	Q02078
Immunogen	A synthesized peptide derived from human MEF2A

Background

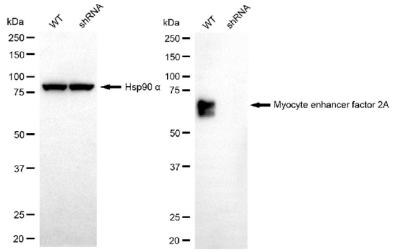
The protein encoded by this gene is a DNA-binding transcription factor that activates many muscle-specific, growth factor-

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.[provided by RefSeq, Jan 2010]

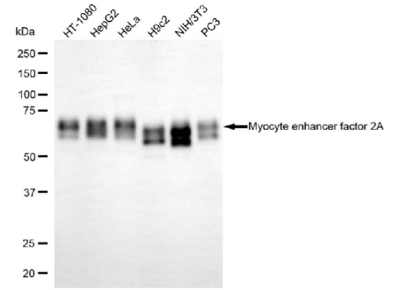
Research Area

Neuroscience,Epigenetics and Nuclear Signaling,Cardiovascular,Neuroscience

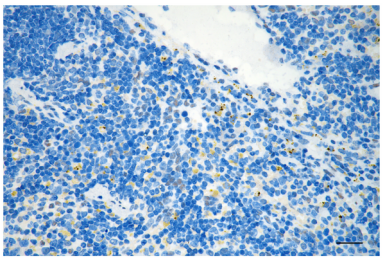
Image Data



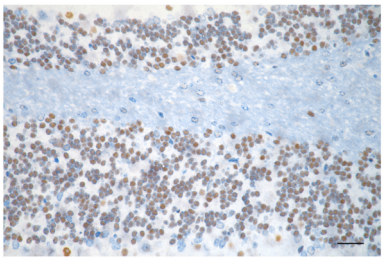
Western blotting analysis using myocyte enhancer factor 2A antibody (KVAb01088). Myocyte enhancer factor 2A expression in wild-type (WT) and myocyte enhancer factor 2A (MEF2A) shRNA knockdown (KD) HepG2 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with myocyte enhancer factor 2A antibody (KVAb01088, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using myocyte enhancer factor 2A antibody (KVAb01088). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with myocyte enhancer factor 2A antibody (KVAb01088, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded mouse spleen using myocyte enhancer factor 2A antibody (KVAb01088, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunohistochemistry was performed on paraffin-embedded mouse brain using myocyte enhancer factor 2A antibody (KVAb01088, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.