

Datasheet for ABIN6143710
anti-MEF2A antibody (AA 1-100)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	MEF2A
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEF2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human MEF2A (NP_001124400.1).
Sequence:	MGRKKIQITR IMDERNRQTL RKKGLNGCES PDADDYFEHS PLSEDRFSKL NEDSDFIFKR GPPGLPPQNF SMSVTPVPTS PNALSYTNPG SSLVSPSLAA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	MEF2A
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Target Details

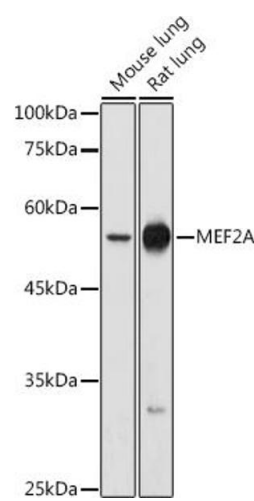
Alternative Name:	MEF2A (MEF2A Products)
Background:	The protein encoded by this gene is a DNA-binding transcription factor that activates many muscle-specific, growth factor-induced, and stress-induced genes. The encoded protein can act as a homodimer or as a heterodimer and is involved in several cellular 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,ADCAD1,RSRFC4,RSRFC9,mef2,Epigenetics & Nuclear Signaling,Transcription Factors,Signal Transduction,ErbB-HER Signaling Pathway,MAPK-P38 Signaling Pathway,Cell Biology & Developmental Biology,Endocrine & Metabolism,AMPK Signaling Pathway,Immunology & Inflammation,Neuroscience,Cardiovascular,Heart,Cardiogenesis,Hypertrophy,MEF2A
Molecular Weight:	45 kDa/46 kDa/53 kDa/54 kDa
Gene ID:	4205
UniProt:	Q02078
Pathways:	Neurotrophin Signaling Pathway , Activation of Innate immune Response , Carbohydrate Homeostasis , Chromatin Binding , Regulation of Muscle Cell Differentiation , Toll-Like Receptors Cascades

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MEF2A antibody (ABIN6134843, ABIN6143710, ABIN6143713 and ABIN6215627) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.