DATASHEET

MEF2D Rabbit Polyclonal Antibody

CAT. NO. ARA5794

KEY FEATURES

Target	MEF2D	**Source / Host**	Rabbit
Reactivity	Human, Mouse	**Clonality**	Polyclonal
Applications	WB,IHC,IF/ICC,ELISA,ChIP	**Conjugation**	Unconjugated
Isotype	IgG	**Storage**	at -20°C

BACKGROUND

MEF2D, also named as Myocyte-specific enhancer factor 2D, is a 521 amino acid protein, which belongs to the MEF2 family. MEF2D is expressed in myotubes and also in undifferentiated myoblasts. MEF2D is a transcriptional activator which binds specifically to the MEF2 element, found in numerous muscle-specific and stress-induced genes. MEF2D mediates cellular functions not only in skeletal and cardiac muscle development, but also in neuronal differentiation and survival. The calculated molecular weight of MEF2D is 55 kDa, but phosphorylated MEF2D is 60 kDa.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1,000
IHC	1:400 - 1:1,600
IF/ICC	1:500 - 1:2,000
ELISA	Assay-dependent
ChIP	Assay-dependent

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Rabbit polyclonal antibody to MEF2D for WB, IHC, IF/ICC, ChIP and ELISA.
Specificity	Recognizes endogenous levels of MEF2D protein.
Antibody Type	Primary antibody
Immunogen	Recombinant human MEF2D protein (amino acids 167-514) expressed in E. coli with GST tag.
Molecular Weight	Predicted: 56 kDa; Observed: 55-60 kDa
Purification	Antigen affinity purification
Isotype	IgG
Form/Buffer	Liquid in PBS (pH 7.3) with 0.02% sodium azide and 50% glycerol.
Alternative Names	Myocyte-specific enhancer factor 2D
Gene Symbol	MEF2D
Entrez Gene	4209 (Human)
SwissProt	Q14814 (Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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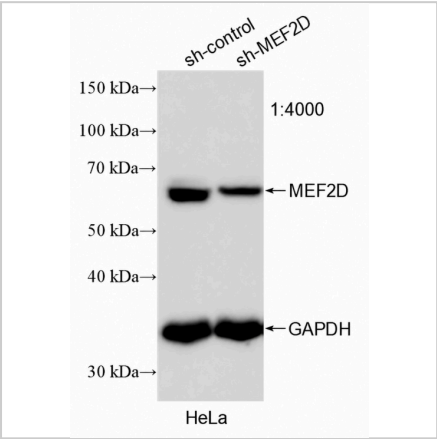
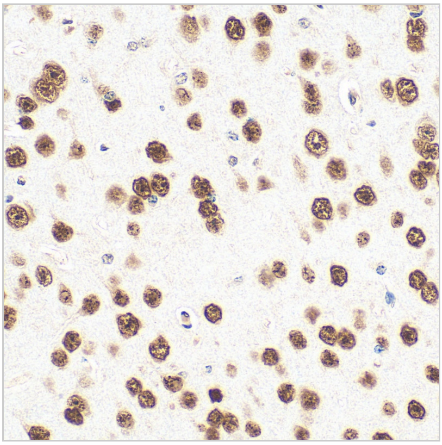
DATA

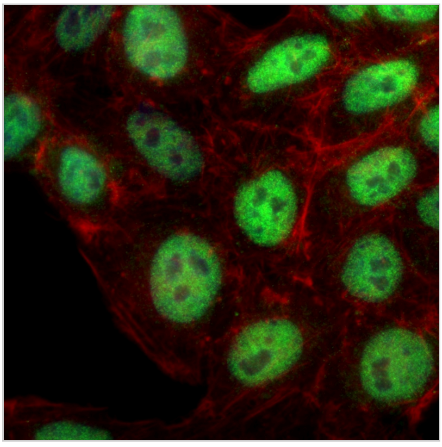


Western blot analysis of sh-Control and sh-MEF2D transfected HeLa cells with MEF2D Rabbit Polyclonal Antibody at 1:4,000 dilution. The membrane was incubated at room temperature for 1.5 hours.

Predicted band size: 56 kDa
Observed band size: 55-60 kDa



Immunohistochemical analysis of paraffin-embedded mouse brain tissue with MEF2D Rabbit Polyclonal Antibody at 1:800 dilution (40x lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells with MEF2D Rabbit Polyclonal Antibody at 1:1,000 dilution and AREX® Fluor 488-conjugated Goat Anti-Rabbit IgG (H+L). Actin filaments were stained with phalloidin (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com