Datasheet for ABIN545862

anti-MEF2C antibody (Ser387)

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Overview

Quantity:	400 µL
Target:	MEF2C
Binding Specificity:	Ser387
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEF2C antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of MEF2C.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to residues surrounding S387 of human MEF2C.
Cross-Reactivity:	Human

Target Details

Target:	MEF2C
Alternative Name:	MEF2C (MEF2C Products)
Gene ID:	4208
Pathways:	Neurotrophin Signaling Pathway, Activation of Innate immune Response, Cellular Response to

Target Details

	Molecule of Bacterial Origin, Carbohydrate Homeostasis, Chromatin Binding, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development, Toll-Like Receptors Cascades, BCR Signaling

Application Details

Application Notes:	ELISA (1:1000) Western Blot (1:50-100) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In PBS (0.09 % sodium azide)
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:	4 °C,-20 °C
Storage Comment:	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Konig, Hinard, Arnaudeau, Holzer, Potter, Bader, Bernheim: "Membrane hyperpolarization triggers myogenin and myocyte enhancer factor-2 expression during human myoblast differentiation." in: **The Journal of biological chemistry**, Vol. 279, Issue 27, pp. 28187-96, (2004) (PubMed). Maeda, Chapman, Stewart: "Mammalian vestigial-like 2, a cofactor of TEF-1 and MEF2 transcription factors that promotes skeletal muscle differentiation." in: **The Journal of biological chemistry**, Vol. 277, Issue 50, pp. 48889-98, (2002) (PubMed). Maeda, Gupta, Stewart: "TEF-1 and MEF2 transcription factors interact to regulate muscle-

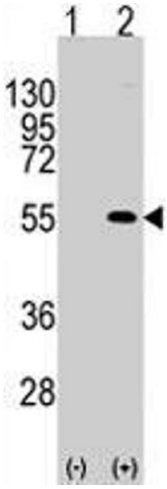
Publications

specific promoters." in: **Biochemical and biophysical research communications**, Vol. 294, Issue 4, pp. 791-7, (2002) (PubMed).

Images

Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with MEF2C polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of MEF2C (arrow) using rabbit MEF2C polyclonal antibody . 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MEF2C gene (Lane 2) (Origene Technologies).