Datasheet for ABIN1724919

anti-MEF2A antibody (AA 391-497)

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Overview

Quantity:	0.1 mg
Target:	MEF2A
Binding Specificity:	AA 391-497
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MEF2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human MEF2A (AA: 391-497) expressed in E. coli.
Clone:	2F9H2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	MEF2A
Alternative Name:	MEF2A (MEF2A Products)
Background:	Description: 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

Target Details

	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. , Aliases: mef2, ADCAD1, RSRFC4, RSRFC9
Molecular Weight:	54.8 kDa
Gene ID:	4205
HGNC:	4205
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:	ELISA: 1:10000, WB: 1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % 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:	4°C, -20°C for long term storage

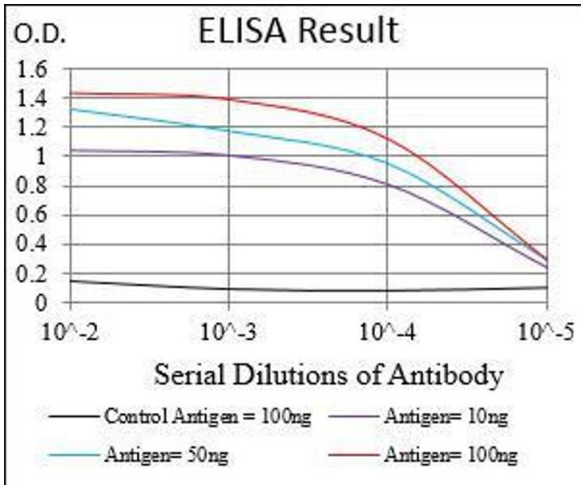
Publications

Product cited in:	Galati, Magdinier, Colasanti, Bauwens, Pinte, Ricordy, Giraud-Panis, Pusch, Savino, Cacchione, Gilson: "TRF2 controls telomeric nucleosome organization in a cell cycle phase-dependent manner." in: **PLoS ONE**, Vol. 7, Issue 4, pp. e34386, (2012) (PubMed).

Publications

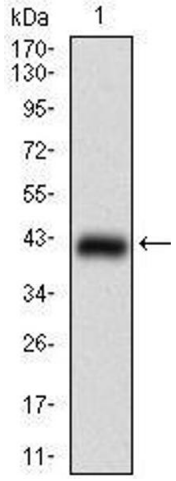
Diehl, Idowu, Kimmelshue, York, Jackson-Cook, Turner, Holt, Elmore: "Elevated TRF2 in advanced breast cancers with short telomeres." in: **Breast cancer research and treatment**, Vol. 127, Issue 3, pp. 623-30, (2011) (PubMed).

Images



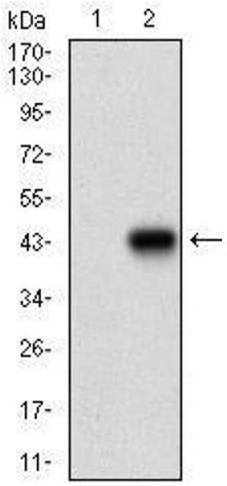
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

Image 2. Western blot analysis using MEF2A mAb against human MEF2A (AA: 391-497) recombinant protein. (Expected MW is 38 kDa)



Western Blotting

Image 3. Western blot analysis using MEF2A mAb against HEK293 (1) and MEF2A (AA: 391-497)-hIgGFc transfected HEK293 (2) cell lysate.