

Anti-MEF2D (pS444) Antibody

Rabbit polyclonal antibody to MEF2D (pS444)

Catalog # AP60481

Product Information

Application	WB, IHC
Primary Accession	Q14814
Other Accession	Q63943
Reactivity	Human, Mouse, Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55938

Additional Information

Gene ID	4209
Other Names	Myocyte-specific enhancer factor 2D
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MEF2D (pS444). The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

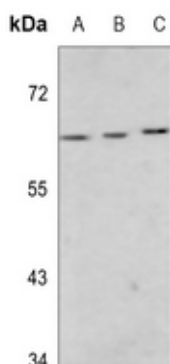
Protein Information

Name	MEF2D
Function	Transcriptional activator which binds specifically to the MEF2 element, 5'-YTA[AT](4)TAR-3', found in numerous muscle-specific, growth factor- and stress-induced genes. Mediates cellular functions not only in skeletal and cardiac muscle development, but also in neuronal differentiation and survival. Plays diverse roles in the control of cell growth, survival and apoptosis via p38 MAPK signaling in muscle-specific and/or growth factor-related transcription. Plays a critical role in the regulation of neuronal apoptosis (By similarity).
Cellular Location	Nucleus {ECO:0000255 PROSITE-ProRule:PRU00251, ECO:0000269 PubMed:12691662, ECO:0000269 PubMed:15743823} Note=Translocated by HDAC4 to nuclear dots

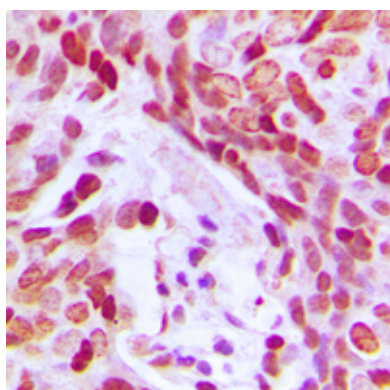
Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MEF2D (pS444). The exact sequence is proprietary.

Images



Western blot analysis of MEF2D (pS444) expression in HEK293T (A), Jurkat (B), U2OS (C) whole cell lysates.



Immunohistochemical analysis of MEF2D (pS444) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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