

# MEF-2D (phospho Ser444) Polyclonal Antibody

**Catalog # AP67097** 

# **Specification**

## MEF-2D (phospho Ser444) Polyclonal Antibody - Product Information

Application WB, IHC-P
Primary Accession O14814

Reactivity Human, Mouse, Rat Host Rabbit

Host Rabbit Clonality Polyclonal

## MEF-2D (phospho Ser444) Polyclonal Antibody - Additional Information

**Gene ID 4209** 

#### **Other Names**

MEF2D; Myocyte-specific enhancer factor 2D

#### **Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~ $\sim$ N/A

# Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

#### **Storage Conditions**

-20°C

### MEF-2D (phospho Ser444) Polyclonal Antibody - 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

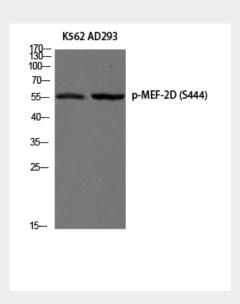
# MEF-2D (phospho Ser444) Polyclonal Antibody - Protocols



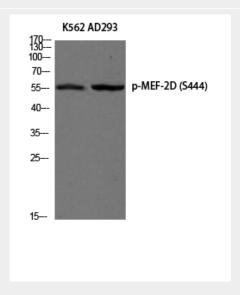
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MEF-2D (phospho Ser444) Polyclonal Antibody - Images



Western blot analysis of K562 AD293 using Phospho-MEF-2D (S444) antibody. Antibody was diluted at 1:500



Western blot analysis of K562 AD293 using Phospho-MEF-2D (S444) antibody. Antibody was diluted at 1:500

# MEF-2D (phospho Ser444) Polyclonal Antibody - Background

Transcriptional activator which binds specifically to the MEF2 element, 5'-YTA[AT](4)TAR-3', found





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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).