

**MEF2D Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14178c****Specification**

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**MEF2D Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [Q14814](#)

**MEF2D Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 4209

**Other Names**

Myocyte-specific enhancer factor 2D, MEF2D

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**MEF2D Antibody (Center) Blocking Peptide - 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

**MEF2D Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**MEF2D Antibody (Center) Blocking Peptide - Images****MEF2D Antibody (Center) Blocking Peptide - Background**

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**MEF2D Antibody (Center) Blocking Peptide - References**

Jablonski, K.A., et al. Diabetes 59(10):2672-2681(2010)Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Aude-Garcia, C., et al. Biochem. J. 430(2):237-244(2010)Czubryt, M.P., et al. J. Biol. Chem. 285(22):16942-16950(2010)Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010)