# MEF-2D Antibody – Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | MEF-2D, Polyclonal Antibody |
| **Full Product Name** | MEF-2D Polyclonal Antibody |
| **Product Gene Name** | anti-MEF-2D antibody |
| **Clonality** | Polyclonal |
| **Molecular Weight** | 49,856 Da |
| **OMIM** | 600663 |
| **3D Structure** | ModBase 3D Structure for Q14814 |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for anti-MEF-2D antibody** | MBS8523685 is an antibody targeting MEF-2D. Also known as MEF-2D Polyclonal Antibody. |
| **Other Notes** | Small volumes of anti-MEF-2D antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MEF-2D. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 410442515 |
| **NCBI GeneID** | 4209 |
| **NCBI Accession #** | NP_001258558.1 |
| **UniProt Primary Accession #** | Q14814 |
| **UniProt Secondary Accession #** | Q14815; Q5T9U5; Q5T9U6; D3DVC0 |
| **UniProt Related Accession #** | Q14814 |
| **GenBank Nucleotide #** | NM_001271629.1 |
| **NCBI Official Full Name** | myocyte-specific enhancer factor 2D isoform 2 |
| **NCBI Official Synonym Full Names** | myocyte enhancer factor 2D |
| **NCBI Official Symbol** | MEF2D |
| **UniProt Protein Name** | Myocyte-specific enhancer factor 2D |
| **UniProt Gene Name** | MEF2D |
| **NCBI Protein Information** | myocyte-specific enhancer factor 2D |
| **NCBI Summary for MEF-2D** | This gene is a member of the myocyte-specific enhancer factor 2 (MEF2) family of transcription factors. Members of this family are involved in control of muscle and neuronal cell differentiation and development, and are regulated by class II histone deacetylases. Fusions of the encoded protein with Deleted in Azoospermia-Associated Protein 1 (DAZAP1) due to a translocation have been found in an acute lymphoblastic leukemia cell line, suggesting a role in leukemogenesis. The encoded protein may also be involved in Parkinson disease and myotonic dystrophy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2012] |

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| **UniProt Comments for MEF-2D** | Transcriptional activator which binds specifically to the MEF2 element, 5'-YTA[AT]4TAR-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 (). |
| **Research Articles on MEF-2D** | **1.** Our study suggests that the MEF2D, PRDM16 and ASTN2 genes from GWAS are associated with migraine susceptibility, especially migraine without aura , among Chinese patients. It appears that there is no association with serotonin receptor related genes. |
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