





## MEF2C Antibody

| Product Code         CSB-PA220862           Storage         Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.           Uniprot No.         Q06413           Immunogen         Synthesized peptide derived from internal of Human MEF2C.           Raised In         Rabbit           Species Reactivity         Human,Mouse           Specificity         The antibody detects endogenous levels of total MEF2C protein.           Tested Applications         ELISA,IHC;IHC:1:50-1:100           Relevance         Transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. Controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. Plays an essential role in hippocampal-dependent learning and memory by suppressing the number of excitatory synapses and thus regulating basal and evoked synaptic transmission. Crucial for normal neuronal development, distribution, and electrical activity in the neocortex. Necessary for proper development of megakaryocytes and platelets and for bone marrow B-lymphopoiesis. Required for B-cell survival and proliferation in response to BCR stimulation, efficient IgG1 antibody responses to T-cell-dependent antigens and for normal induction of germinal center B-cells. May also be involved in neurogenesis and in the development of cortical architecture By similarity. Isoform 3 and isoform 4, which lack the repressor domain, are more active than isoform 1. And isoform 2.           Form         Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NacCl. 0.02% sodium azide and 50% glycerol.  |                            |  |
|---|----------------------------|--|
| Uniprot No.         Q06413           Immunogen         Synthesized peptide derived from internal of Human MEF2C.           Raised In         Rabbit           Species Reactivity         Human,Mouse           Specificity         The antibody detects endogenous levels of total MEF2C protein.           Tested Applications         ELISA,IHC;IHC:1:50-1:100           Relevance         Transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. Controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. Plays an essential role in hippocampal-dependent learning and memory by suppressing the number of excitatory synapses and thus regulating basal and evoked synaptic transmission. Crucial for normal neuronal development, distribution, and electrical activity in the neocortex. Necessary for proper devoked synaptic transmission. Crucial for normal neuronal development of evolution and proliferation in response to BCR stimulation, efficient IgG1 antibody responses to T-cell-dependent antigens and for normal induction of germinal center B-cells. May also be involved in neurogenesis and in the development of cortical architecture By similarity. Isoform 3 and isoform 4, which lack the repressor domain, are more active than isoform 1 and isoform 2.           Leifer D., Proc. Natl. Acad. Sci. U.S.A. 90:1546-1550(1993). McDermott J.C., Mol. Cell. Biol. 19:7816-7827(1999).           Form         Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.           Purification Method         The antibody was affinity-purified from rab                                    | Product Code               | CSB-PA220862   |
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| Raised In         Rabbit           Species Reactivity         Human, Mouse           Specificity         The antibody detects endogenous levels of total MEF2C protein.           Tested Applications         ELISA,IHC;IHC:1:50-1:100           Relevance         Transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. Controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. Plays an essential role in hippocampal-dependent learning and memory by suppressing the number of excitatory synapses and thus regulating basal and evoked synaptic transmission. Crucial for normal neuronal development, distribution, and electrical activity in the neocortex. Necessary for proper development of megakaryocytes and platelets and for bone marrow B-lymphopolesis. Required for B-cell survival and proliferation in response to BCR stimulation, efficient IgG1 antibody responses to T-cell-dependent antigens and for normal induction of germinal center B-cells. May also be involved in neurogenesis and in the development of cortical architecture By similarity. Isoform 3 and isoform 4, which lack the repressor domain, are more active than isoform 1. And isoform 2.           Leifer D., Proc. Natl. Acad. Sci. U.S.A. 90:1546-1550(1993). McDermott J.C., Mol. Cell. Biol. 19:7816-7827(1999).           Form         Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.           Purification Method         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Clonality         Polyclonal                  | Uniprot No.                | Q06413   |
| Specificity         Human,Mouse           Specificity         The antibody detects endogenous levels of total MEF2C protein.           Tested Applications         ELISA,IHC;IHC:1:50-1:100           Relevance         Transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. Controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. Plays an essential role in hippocampal-dependent learning and memory by suppressing the number of excitatory synapses and thus regulating basal and evoked synaptic transmission. Crucial for normal neuronal development, distribution, and electrical activity in the neocortex. Necessary for proper development of megakaryocytes and platelets and for bone marrow B-lymphopolesis. Required for B-cell survival and proliferation in response to BCR stimulation, efficient IgG1 antibody responses to T-cell-dependent antigens and for normal induction of germinal center B-cells. May also be involved in neurogenesis and in the development of cortical architecture By similarity. Isoform 3 and isoform 4, which lack the repressor domain, are more active than isoform 1. An isoform 2.           Leifer D., Proc. Natl. Acad. Sci. U.S.A. 90:1546-1550(1993). McDermott J.C., Mol. Cell. Biol. 19:7816-7827(1999).           Form         Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.           Purification Method         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Clonality         Polyclonal           Alias         Myocyte-specific enhancer factor 2C; | Immunogen                  | Synthesized peptide derived from internal of Human MEF2C.  |
| The antibody detects endogenous levels of total MEF2C protein.   Tested Applications   ELISA,IHC;IHC:1:50-1:100     Transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. Controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. Plays an essential role in hippocampal-dependent learning and memory by suppressing the number of excitatory synapses and thus regulating basal and evoked synaptic transmission. Crucial for normal neuronal development, distribution, and electrical activity in the neocortex. Necessary for proper development of megakaryocytes and platelets and for bone marrow B-lymphopoiesis. Required for B-cell survival and proliferation in response to BCR stimulation, efficient IgG1 antibody responses to T-cell-dependent antigens and for normal induction of germinal center B-cells. May also be involved in neurogenesis and in the development of cortical architecture By similarity. Isoform 3 and isoform 4, which lack the repressor domain, are more active than isoform 1 and isoform 2.  Leifer D., Proc. Natl. Acad. Sci. U.S.A. 90:1546-1550(1993). McDermott J.C., Mol. Cell. Biol. 13:2564-2577(1999).  Wang A.H., Mol. Cell. Biol. 19:7816-7827(1999).  Form Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.  Purification Method The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Clonality Polyclonal  Alias Myocyte-specific enhancer factor 2C; MEF2C;  Product Type Polyclonal Antibody  Species Homo sapiens (Human)  MEF2C   | Raised In                  | Rabbit   |
| Tested Applications         ELISA,IHC;IHC:1:50-1:100           Relevance         Transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. Controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. Plays an essential role in hippocampal-dependent learning and memory by suppressing the number of excitatory synapses and thus regulating basal and evoked synaptic transmission. Crucial for normal neuronal development, distribution, and electrical activity in the neocortex. Necessary for proper development of megakaryocytes and platelets and for bone marrow B-lymphopoiesis. Required for B-cell survival and proliferation in response to BCR stimulation, efficient IgG1 antibody responses to T-cell-dependent antigens and for normal induction of germinal center B-cells. May also be involved in neurogenesis and in the development of cortical architecture By similarity. Isoform 3 and isoform 4, which lack the repressor domain, are more active than isoform 1 and isoform 2.           Leifer D., Proc. Natl. Acad. Sci. U.S.A. 90:1546-1550(1993). McDermott J.C., Mol. Cell. Biol. 13:2564-2577(1993). Wang A.H., Mol. Cell. Biol. 19:7816-7827(1999).           Form         Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NacI, 0.02% sodium azide and 50% glycerol.           Purification Method         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Clonality         Polyclonal           Alias         Myocyte-specific enhancer factor 2C; MEF2C;           Product Type         Polyclonal Antibody           Species         Ho | Species Reactivity         | Human, Mouse   |
| Transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. Controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. Plays an essential role in hippocampal-dependent learning and memory by suppressing the number of excitatory synapses and thus regulating basal and evoked synaptic transmission. Crucial for normal neuronal development, distribution, and electrical activity in the neocortex. Necessary for proper development of megakaryocytes and platelets and for bone marrow B-lymphopoiesis. Required for B-cell survival and proliferation in response to BCR stimulation, efficient IgG1 antibody responses to T-cell-dependent antigens and for normal induction of germinal center B-cells. May also be involved in neurogenesis and in the development of cortical architecture By similarity. Isoform 3 and isoform 4, which lack the repressor domain, are more active than isoform 1 and isoform 2.  Leifer D., Proc. Natl. Acad. Sci. U.S.A. 90:1546-1550(1993). McDermott J.C., Mol. Cell. Biol. 13:2564-2577(1993). Wang A.H., Mol. Cell. Biol. 19:7816-7827(1999).  Form Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.  Purification Method The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Clonality Polyclonal  Alias Myocyte-specific enhancer factor 2C; MEF2C;  Product Type Polyclonal Antibody  Species Homo sapiens (Human)  Target Names MEF2C   | Specificity                | The antibody detects endogenous levels of total MEF2C protein.   |
| the regulatory regions of many muscle-specific genes. Controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. Plays an essential role in hippocampal-dependent learning and memory by suppressing the number of excitatory synapses and thus regulating basal and evoked synaptic transmission. Crucial for normal neuronal development, distribution, and electrical activity in the neocortex. Necessary for proper development of megakaryocytes and platelets and for bone marrow B-lymphopoiesis. Required for B-cell survival and proliferation in response to BCR stimulation, efficient IgG1 antibody responses to T-cell-dependent antigens and for normal induction of germinal center B-cells. May also be involved in neurogenesis and in the development of cortical architecture By similarity. Isoform 3 and isoform 4, which lack the repressor domain, are more active than isoform 1 and isoform 2.  Leifer D., Proc. Natl. Acad. Sci. U.S.A. 90:1546-1550(1993). McDermott J.C., Mol. Cell. Biol. 13:2564-2577(1999).  Form Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.  Purification Method The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Clonality Polyclonal  Alias Myocyte-specific enhancer factor 2C; MEF2C;  Product Type Polyclonal Antibody  Species Homo sapiens (Human)  Target Names MEF2C   | <b>Tested Applications</b> | ELISA,IHC;IHC:1:50-1:100   |
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| chromatography using epitope-specific immunogen.  Clonality Polyclonal  Alias Myocyte-specific enhancer factor 2C; MEF2C;  Product Type Polyclonal Antibody  Species Homo sapiens (Human)  Target Names MEF2C   | Form                       |  |
| Alias Myocyte-specific enhancer factor 2C; MEF2C; Product Type Polyclonal Antibody Species Homo sapiens (Human) Target Names MEF2C  | Purification Method        |  |
| Product Type Polyclonal Antibody  Species Homo sapiens (Human)  Target Names MEF2C  | Clonality                  | Polyclonal   |
| Species Homo sapiens (Human)  Target Names MEF2C  | Alias                      | Myocyte-specific enhancer factor 2C; MEF2C;  |
| Target Names MEF2C  | Product Type               | Polyclonal Antibody  |
|   | Species                    | Homo sapiens (Human)   |
| Image   | Target Names               | MEF2C  |
|   | Image                      |  |

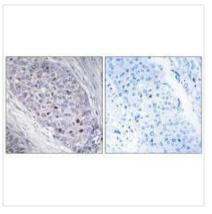


## **CUSABIO TECHNOLOGY LLC**









Immunohistochemistry analysis of paraffinembedded human breast carcinoma tissue, using MEF2C antibody.