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PRODUCT DATASHEET

Anti-MEF2C (Ser222) Antibody

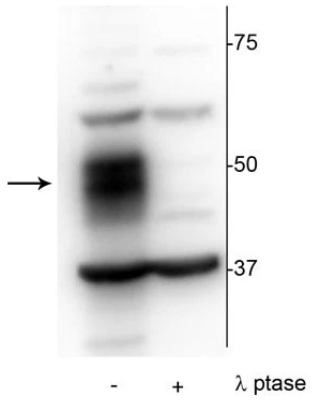
phosphosolutions ANTIBODIES THAT WORK Pooled Serum

Product Details

Available Variants	100 µL (SKU:p1208-222) 25 µL (SKU:p1208-222t)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	MEF2C
Host Species	Rabbit
Format	Antigen Affinity Purified from Pooled Serum
Physical State	Liquid
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Production Notes	Prepared from pooled rabbit serum by affinity purification via sequential chromatography on phospho and non-phosphopeptide affinity columns.
Applications	ELISA, WB
Dilution Ranges	WB: 1:1000 WB Brain: 1:1000
Species Reactivity	Human
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser222 of human MEF2C, conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for endogenous levels of the ~51 kDa MEF2C protein phosphorylated at Ser222. Immunolabeling is completely eliminated by treatment with λ-phosphatase.
Molecular Weight	51 kDa
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at

	-20°C.
Antibody Registry ID	AB_2572427
UniProt ID	Q06413 UniProt Summary: 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. Enhances transcriptional activation mediated by SOX18. 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). Isoforms that lack the repressor domain are more active than isoform 1. {ECO:0000250|UniProtKB:Q8CFN5, ECO:0000269|PubMed:11904443, ECO:0000269|PubMed:15340086, ECO:0000269|PubMed:15831463, ECO:0000269|PubMed:15834131, ECO:0000269|PubMed:9069290, ECO:0000269|PubMed:9384584}.
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Expected Reactivity	Bovine, Chicken, Guinea Pig, Non-Human Primate, Mouse, Rat, Sheep
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser222
NCBI Gene ID	4208

Product Images



Western blot of OCIAML2 lysate showing specific immunolabeling of the ~51 kDa MEF2C phosphorylated at Ser222 in the first lane (-). Phosphospecificity is shown in the second lane (+) where the immunolabeling is completely eliminated by blot treatment with lambda phosphatase ((λ-Ptase, 1200 units for 30 minutes).