

MEF-2 (phospho Thr319) rabbit pAb**Cat#: orb764229 (Manual)**

For research use only. Not intended for diagnostic use.

Product Name	MEF-2 (phospho Thr319) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human MEF2A around the phosphorylation site of Thr319. AA range:296-345
Specificity	Phospho-MEF-2 (T319) Polyclonal Antibody detects endogenous levels of MEF-2 protein only when phosphorylated at T319.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Myocyte-specific enhancer factor 2A
Gene Name	MEF2A
Cellular localization	Nucleus .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

Concentration 1 mg/ml

Observed band

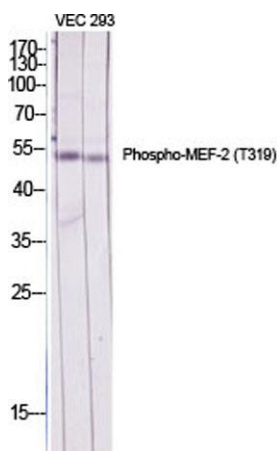
Human Gene ID 4205

Human Swiss-Prot Number Q02078

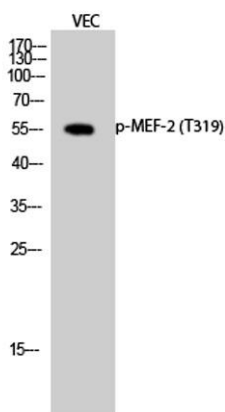
Alternative Names MEF2A; MEF2; Myocyte-specific enhancer factor 2A; Serum response factor-like protein 1

Background

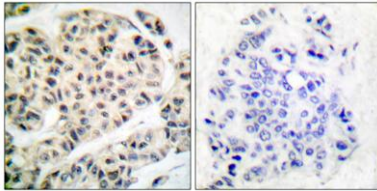
The protein encoded by this gene is a DNA-binding transcription factor that activates many muscle-specific, growth factor-induced, and stress-induced genes. The encoded protein can act as a homodimer or as a heterodimer and is involved in several cellular processes, including muscle development, neuronal differentiation, cell growth control, and apoptosis. Defects in this gene could be a cause of autosomal dominant coronary artery disease 1 with myocardial infarction (ADCAD1). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2010],



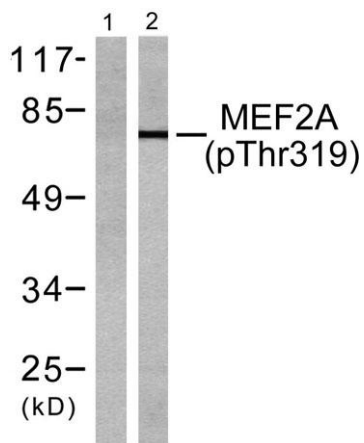
Western Blot analysis of various cells using Phospho-MEF-2 (T319) Polyclonal Antibody diluted at 1:2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Western Blot analysis of VEC cells using Phospho-MEF-2 (T319) Polyclonal Antibody diluted at 1:2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using MEF2A (Phospho-Thr319) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from K562 cells treated with UV 15', using MEF2A (Phospho-Thr319) Antibody. The lane on the left is blocked with the phospho peptide.