

# Immunotag™ Phospho-MEF2A (Ser408) Antibody

Antibody Specification	
Catalog No.	ITA0691
Product Description	Immunotag™ Phospho-MEF2A (Ser408) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-MEF2A (Ser408)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC
Recommended Dilution	WB 1:500-1:2000, IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human MEF2A around the phosphorylation site of Ser408.
Specificity	Phospho-MEF2A (Ser408) Antibody detects endogenous levels of MEF2A.
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	MEF2A
Accession No.	Q02078
Alternate Names	ADCAD1; MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A); MEF2; MEF2A; MEF2A_HUMAN; Myocyte enhancer factor 2A; Myocyte-specific enhancer factor 2A; RSRFC4; RSRFC9; Serum response factor like protein 1; Serum response factor-like protein 1;

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Description	Transcriptional activator which binds specifically to the MEF2 element, 5'-YTA[AT]4TAR-3', found in numerous muscle-specific genes. Also involved in the activation of numerous 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. In cerebellar granule neurons, phosphorylated and sumoylated MEF2A represses transcription of NUR77 promoting synaptic differentiation. Associates with chromatin to the ZNF16 promoter.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	54kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.