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# Immunotag™ Phospho-MEF2A (Thr319) Antibody

## Antibody Specification

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| Catalog No. | ITA1151 |
| Product Description | Immunotag™ Phospho-MEF2A (Thr319) 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 (Thr319) |
| Clonality | Polyclonal |
| Storage/Stability | -20°C/1 year |
| Application | WB,IHC,IF/ICC,ELISA |
| Recommended Dilution | WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500 |
| Concentration | 1 mg/ml |
| Reactive Species | Human,Mouse,Rat |
| Host Species | Rabbit |
| Immunogen | A synthesized peptide derived from human MEF2A around the phosphorylation site of Threonine 319 |
| Specificity | Phospho-MEF2A (Thr319) Antibody detects endogenous levels of MEF2A only when phosphorylated at Threonine 319 |
| 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 |

## Antibody Specification

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| 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; |
| 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. |