For research purposes only, not for human use

# Product Data Sheet

# Anti-MEF2A (Phospho-T312) Antibody

| Catalog # | Source | Reactivity | Applications |
|---|---|---|---|
| CPA4733 | Rabbit | H, M, R, B, C | WB, IH, IP |

| | |
|---|---|
| **Description** | Rabbit polyclonal antibody to MEF2A (Phospho-T312) |
| **Immunogen** | KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding T312 of human MEF2A protein. The exact sequence is proprietary. |
| **Purification** | The antibody was purified by immunogen affinity chromatography. |
| **Specificity** | Recognizes endogenous levels of MEF2A protein only when phosphorylated at T312. |
| **Clonality** | Polyclonal |
| **Conjugation** | |
| **Form** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Dilution** | WB (1/500 - 1/1000), IH (1/50 - 1/100), IP (1/10 - 1/100) |
| **Gene Symbol** | MEF2A |
| **Alternative Names** | MEF2; Myocyte-specific enhancer factor 2A; Serum response factor-like protein 1 |
| **Entrez Gene** | 4205 (Human); 17258 (Mouse); 309957 (Rat) |
| **SwissProt** | Q02078 (Human); Q60929 (Mouse); Q2MJT0 (Rat) |
| **Storage/Stability** | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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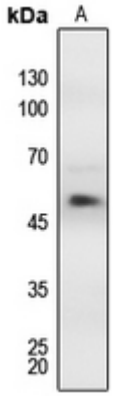
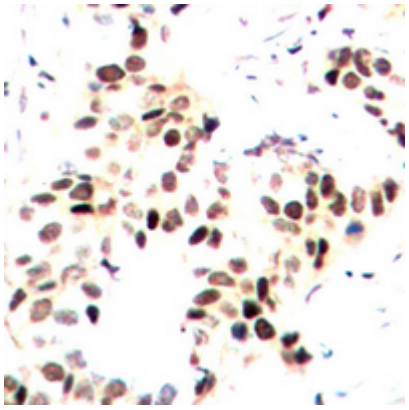



Western blot analysis of MEF2A (Phospho-T312) expression in HEK293T (A) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 54 kD)



Immunohistochemical analysis of MEF2A (Phospho-T312) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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