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# Transcription Factor AP 2 gamma Rabbit mAb

Catalog # AP76391

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, IHC-F, ICC |
| **Primary Accession** | Q92754 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Calculated MW** | 49177 |

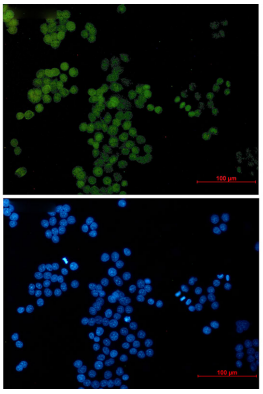
## Additional Information

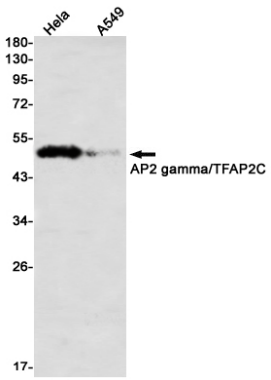
| | |
|---|---|
| **Gene ID** | 7022 |
| **Other Names** | TFAP2C |
| **Dilution** | WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A |
| **Format** | Liquid |

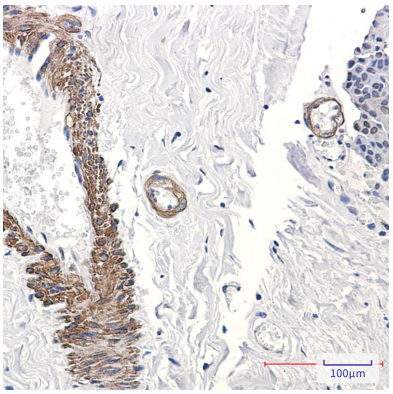
## Protein Information

| | |
|---|---|
| **Name** | TFAP2C |
| **Function** | Sequence-specific DNA-binding transcription factor that interacts with cellular enhancer elements to regulate transcription of selected genes, and which plays a key role in early embryonic development (PubMed:11694877, PubMed:24413532). AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions (PubMed:11694877, PubMed:24413532). TFAP2C plays a key role in early embryonic development by regulating both inner cell mass (ICM) and trophectoderm differentiation (By similarity). At the 8-cell stage, during morula development, controls expression of cell-polarity genes (By similarity). Upon trophoblast commitment, binds to late trophectoderm genes in blastocysts together with CDX2, and later to extra-embryonic ectoderm genes together with SOX2 (By similarity). Binds to both closed and open chromatin with other transcription factors (By similarity). Involved in the MTA1-mediated epigenetic regulation of ESR1 expression in breast cancer (PubMed:24413532). |
| **Cellular Location** | Nucleus. |

## Images



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