

## Transcription Factor AP 2 gamma Rabbit mAb

Catalog # AP75084

## **Product Information**

Application	WB, IP, ICC
Primary Accession	<u>Q92754</u>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	49177

## **Additional Information**

Gene ID	7022
Other Names	TFAP2C
Dilution	WB~~1/500-1/1000 IP~~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: <u>11694877</u> , PubMed: <u>24413532</u> ). AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions (PubMed: <u>11694877</u> , PubMed: <u>24413532</u> ). 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: <u>24413532</u> ).
Cellular Location	Nucleus.
Images	





Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.