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KD-Validated Anti-TFAP2C Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI2229

Product Information

Application	WB
Primary Accession	Q92754
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB885
Calculated MW	49177
Gene Name	TFAP2C
Aliases	TFAP2C; Transcription Factor AP-2 Gamma; AP2-GAMMA; TFAP2G; HAP-2g; ERF1; Activating Enhancer-Binding Protein 2 Gamma; Estrogen Receptor Factor 1; Transcription Factor ERF-1; Transcription Factor AP-2 Gamma (Activating Enhancer-Binding Protein 2 Gamma); AP2-Gamma
Immunogen	Recombinant protein of human TFAP2C

Additional Information

Gene ID	7022
Other Names	Transcription factor AP-2 gamma, AP2-gamma, Activating enhancer-binding protein 2 gamma, Transcription factor ERF-1, TFAP2C

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.

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