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Anti-AP2 gamma Antibody

Catalog # AP60060

Product Information

Application	WB, IHC
Primary Accession	Q92754
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49177

Additional Information

Gene ID	7022
Other Names	Transcription factor AP-2 gamma; AP2-gamma; Activating enhancer-binding protein 2 gamma; Transcription factor ERF-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human AP2 gamma. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

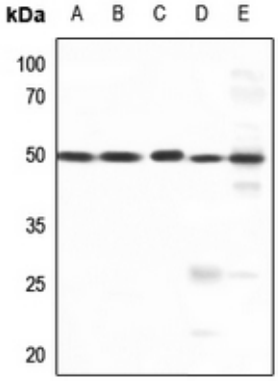
Protein Information

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

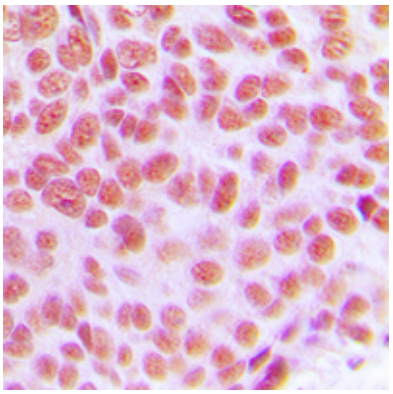
expression in breast cancer (PubMed:24413532).

Cellular Location Nucleus.

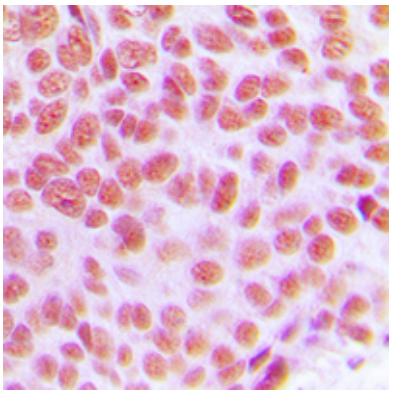
Images



Western blot analysis of AP2 gamma expression in HEK293T (A), Hela (B), H1688 (C), rat kidney (D), rat lung (E) whole cell lysates. (Predicted band size: 49 kD; Observed band size: 49 kD)



Immunohistochemical analysis of AP2 gamma 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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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.