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AP2C Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50077

Product Information

Application	WB
Primary Accession	Q92754
Reactivity	Human, Mouse, Rat
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, TFAP2C
Dilution	WB~~ 1:1000
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

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.

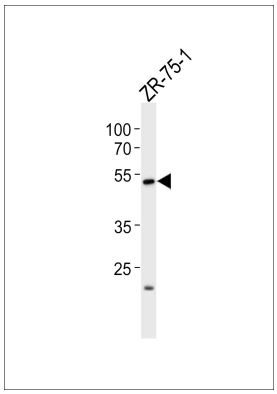
Background

Sequence-specific DNA-binding protein that interacts with inducible viral and cellular enhancer elements to regulate transcription of selected genes. AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions including proper eye, face, body wall, limb and neural tube development. They also suppress a number of genes including MCAM/MUC18, C/EBP alpha and MYC.

References

Williamson J.A.,et al.Genomics 35:262-264(1996).
McPherson L.A.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:4342-4347(1997).
Haselton M.D.,et al.Submitted (AUG-2001) to the EMBL/GenBank/DDBJ databases.
Deloukas P.,et al.Nature 414:865-871(2001).
Nishizawa M.,et al.Submitted (APR-2000) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of lysate from ZR-75-1 cell line,using AP2C Antibody(C11429). C11429 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.

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