

AP2C Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP50077

Specification

AP2C Antibody - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW Antigen Region WB <u>O92754</u> Human, Mouse, Rat Rabbit Polyclonal 49 KDa 420-448

AP2C Antibody - 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℃

AP2C Antibody - 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:, PubMed:, PubMed:, PubMed:, PubMed:, PubMed:<a



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.

AP2C Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- <u>Dot Blot</u>
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

AP2C Antibody - 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.

AP2C Antibody - 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.

AP2C Antibody - 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.