

**TFAP2C Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21677c****Specification**

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**TFAP2C Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q92754</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	49177

**TFAP2C Antibody (Center) - 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

**Target/Specificity**

This TFAP2C antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 114-147 amino acids from the central region of human TFAP2C.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TFAP2C Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**TFAP2C Antibody (Center) - 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**

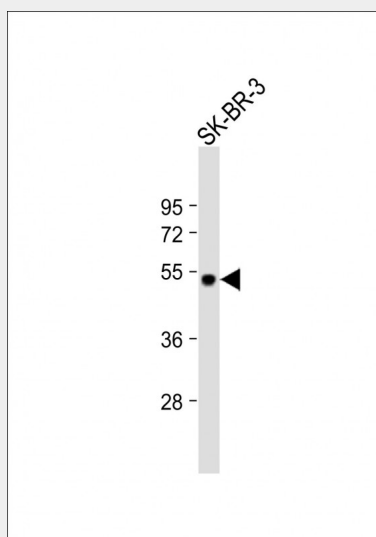
Nucleus.

#### **TFAP2C Antibody (Center) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **TFAP2C Antibody (Center) - Images**



Anti-TFAP2C Antibody (Center) at 1:2000 dilution + SK-BR-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 49 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### **TFAP2C Antibody (Center) - 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. Involved in the MTA1-mediated epigenetic regulation of ESR1 expression in breast cancer.

#### **TFAP2C Antibody (Center) - 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.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Deloukas P.,et al.Nature 414:865-871(2001).