

**KD-Validated Anti-TFAP2C Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI2229****Specification****KD-Validated Anti-TFAP2C Rabbit Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q92754</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 49 kDa; observed, 49 kDa
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

**KD-Validated Anti-TFAP2C Rabbit Monoclonal Antibody - Additional Information**

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

**KD-Validated Anti-TFAP2C Rabbit Monoclonal 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](http://www.uniprot.org/citations/11694877), PubMed: [24413532](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/11694877), PubMed: [24413532](http://www.uniprot.org/citations/24413532)). TFAP2C plays a key role in early embryonic development by regulating both inner cell mass (ICM) and trophoblast 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 trophoblast 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:<a href="http://www.uniprot.org/citations/24413532" target="\_blank">24413532</a>).

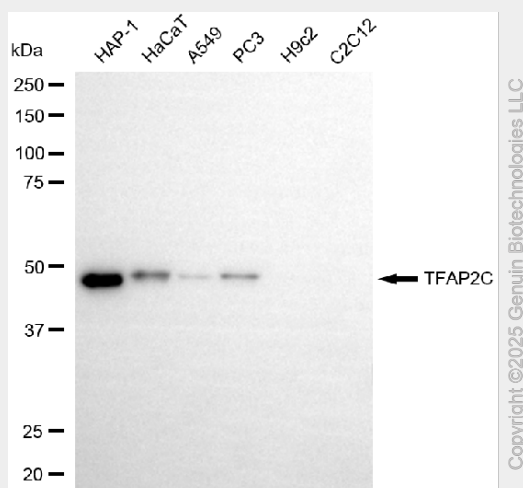
**Cellular Location**  
Nucleus.

## KD-Validated Anti-TFAP2C Rabbit Monoclonal Antibody - Protocols

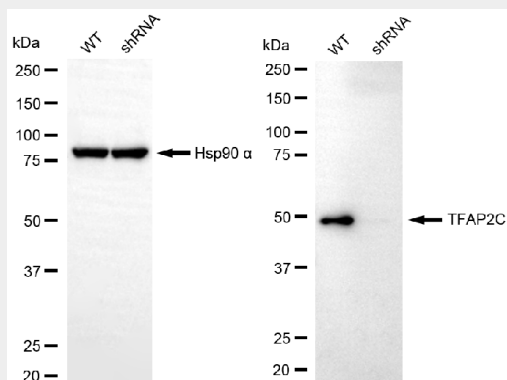
Provided below are standard protocols that you may find useful for product applications.

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

## KD-Validated Anti-TFAP2C Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-TFAP2C antibody (Cat#AGI2229). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-TFAP2C antibody (Cat#AGI2229, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-TFAP2C antibody (Cat#AGI2229). TFAP2C expression in wild-type (WT) and TFAP2C shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-TFAP2C antibody (Cat#AGI2229, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.